website:http://biz.LGservice.com
e-mail:http://www.LGEservice.com/techsup.html

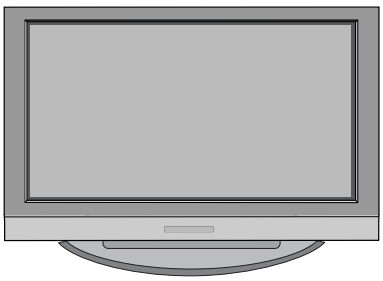
PLASMA TV
SERVICE MANUAL

CHASSIS : PP61A

MODEL : 42PC3RA

42PC3RA-ZJ

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



CONTENTS

SAFETY PRECAUTIONS 3

DESCRIPTION OF CONTROLS 4

SPECIFICATIONS 10

ADJUSTMENT INSTRUCTIONS 12

TROUBLE SHOOTING GUIDE 22

PRINTED CIRCUIT DIAGRAM 31

BLOCK DIAGRAM 35

EXPLODED VIEW 36

EXPLODED VIEW PARTS LIST 37

REPLACEMENT PARTS LIST 38

SCHEMATIC DIAGRAM.....

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

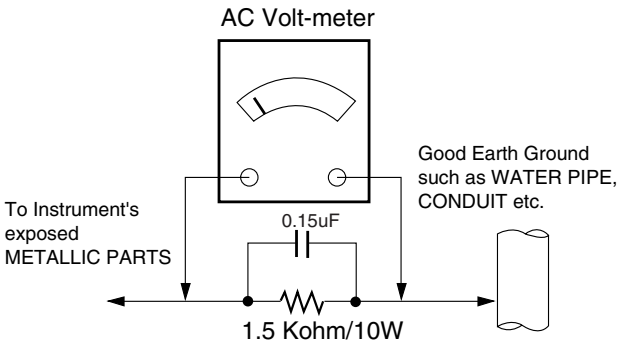
Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube.**
Do not lift the Picture tube by it's Neck.

Leakage Current Cold Check(Antenna Cold Check)
With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)
Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



DESCRIPTION OF CONTROLS

POWER Switches the set on from standby or off to standby.

TV INPUT Returns from **AV1**, **AV2**, **S-Video2**, **AV3**, **AV4**(except 42PC3RV*,42PC3RA*), **Component**, **RGB**, **HDMI1**/**DVI** or **HDMI 2** to the TV mode. Switches the set on from standby.

INPUT If you press the button once, the input source OSD will appear on screen as shown. Press the ▲ / ▼ button and then **OK** button to select the desired input source (**TV**, **AV1**, **AV2**, **S-Video2**, **AV3**, **AV4**(except 42PC3RV*, 42PC3RA*), **Component**, **RGB**, **HDMI1**/**DVI** or **HDMI 2**).

ARC Selects your desired picture format.

Brightness adjustment Adjusts screen brightness. It returns to the default settings brightness by changing mode source.

Coloured buttons These buttons are used for teletext (only **TELETEXT** models) or **Programme edit**.

PIP Switches the sub picture PIP, DW, POP or off mode.

SIZE Adjusts the sub picture size.

POSITION Moves the sub picture.

PIP PR - /+ Selects a programme for the sub picture.

PIP INPUT Selects the input source for the sub picture in PIP/Twin picture mode.

VCR/DVD control buttons Controls some video cassette recorders or DVD players when you have already selected DVD or VCR mode button.

EXIT Clears all on-screen displays and returns to TV viewing from any menu.

LIST Displays the programme table.

MENU Selects a menu.

I/II Selects the sound output.

SLEEP Sets the sleep timer.

MODE Selects the remote operating modes.

1 TELETEXT BUTTONS These buttons are used for teletext.
For further details, see the 'Teletext' section.

THUMBSTICK (Up/Down/Left Right/ENTER) Allows you to navigate the on-screen menus and adjust the system settings to your preference.

OK Accepts your selection or displays the current mode.

VOLUME UP /DOWN Adjusts the volume.

Q.VIEW Returns to the previously viewed programme.

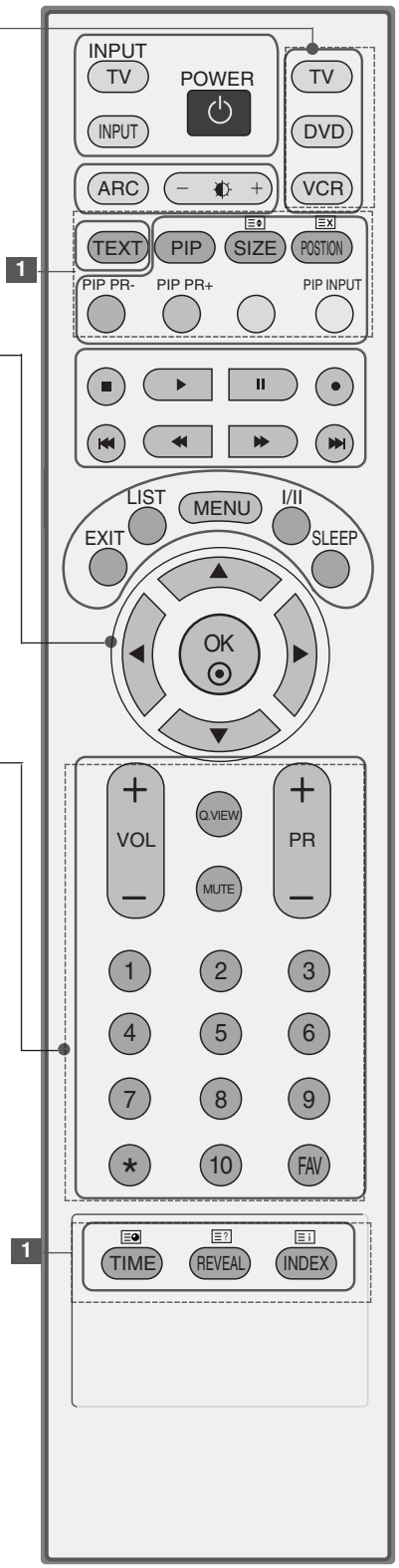
MUTE Switches the sound on or off.

Programme UP/DOWN Selects available programmes.

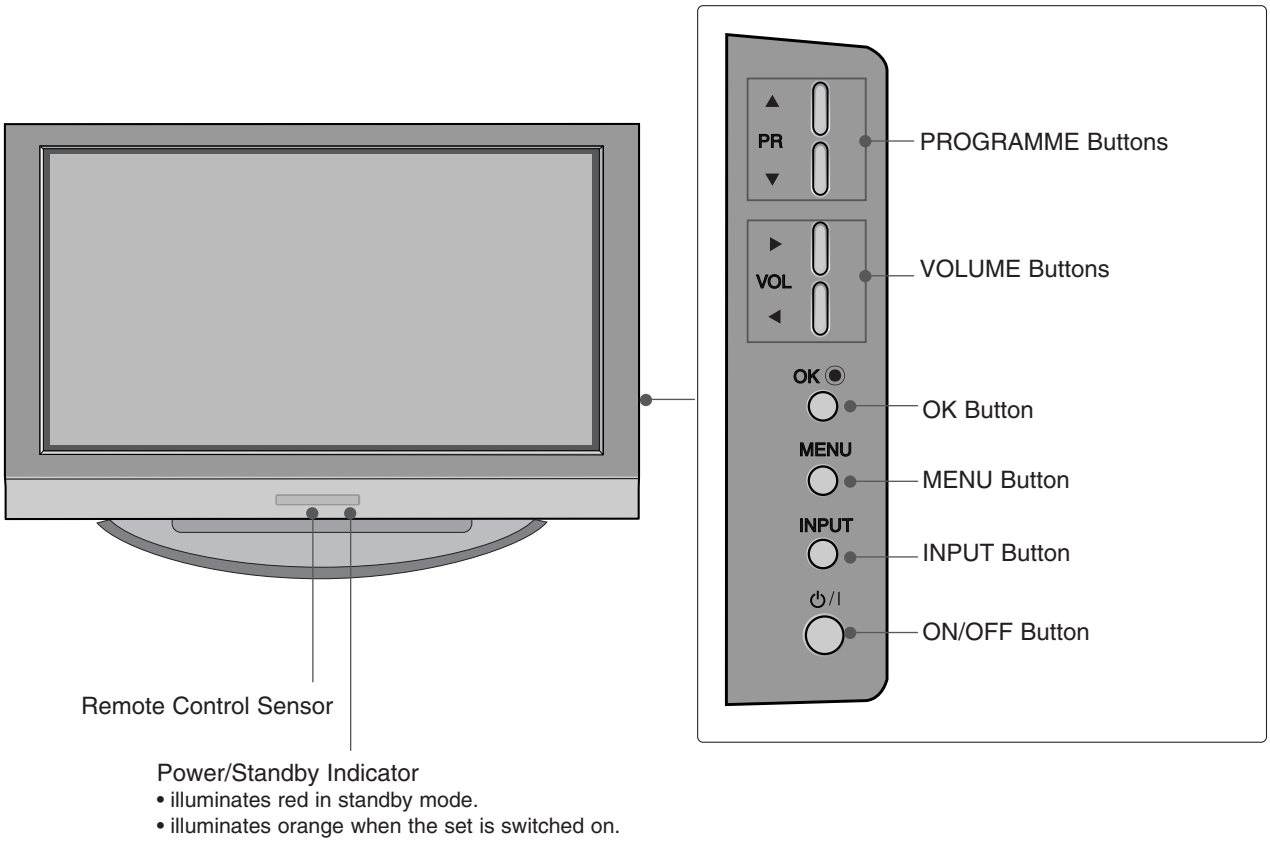
0~9 number button Selects a programme.
Selects numbered items in a menu.

FAV Displays the selected favourite programme.

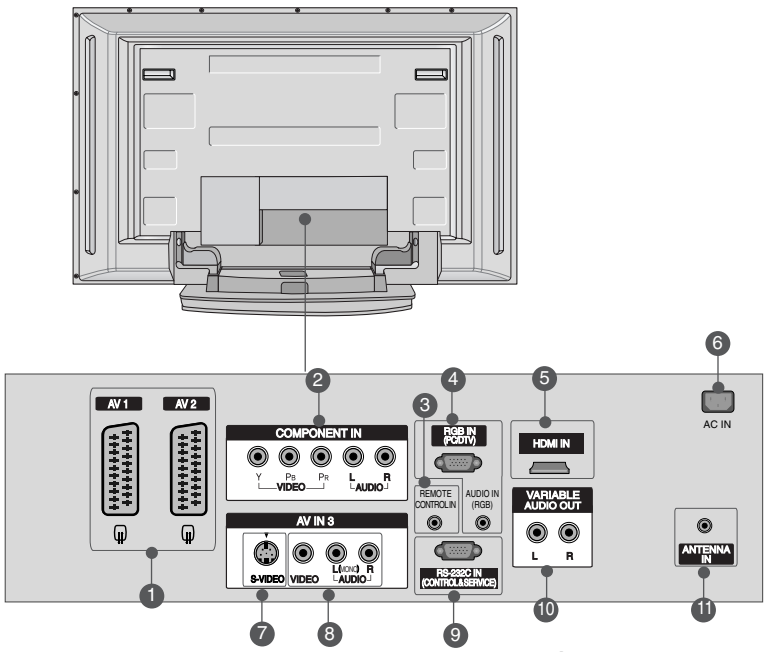
* No function



Front Panel Controls



Back Connection Panel



❶ Euro Scart Socket (AV1/AV2)
Connect scart socket input or output from an external device to these jacks.

❷ Component Input
Connect a component video/audio device to these jacks.

❸ Remote Control Port
Connect your wired remote control here.

❹ RGB/Audio Input
Connect the monitor output from a PC to the appropriate input port.

❺ HDMI Input
Connect a HDMI signal to HDMI post with HDMI cable.

❻ Power Cord Socket
This TV operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the TV on DC power.

❼ S-Video Input
Connect S-Video out from an S-VIDEO device.

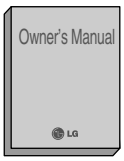
❽ Audio/Video Input
Connect audio/video output from an external device to these jacks.

❾ RS-232C INPUT(CONTROL/SERVICE)PORT
Connect S-Video out from an S-VIDEO device.

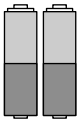
❿ Variable Audio Output
Connect an external amplifier or add a sub-woofer to your surround sound system.

⓫ Antenna Input
Connect over-the-air signals to this jack.

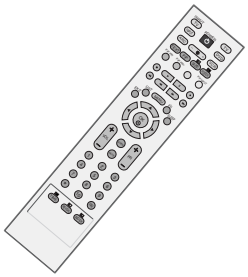
ACCESSORIES



Owner's Manual



Batteries



Remote Control

Power Cord

For 42PC1RV*, 42PC3RV*, 42PC3RA*

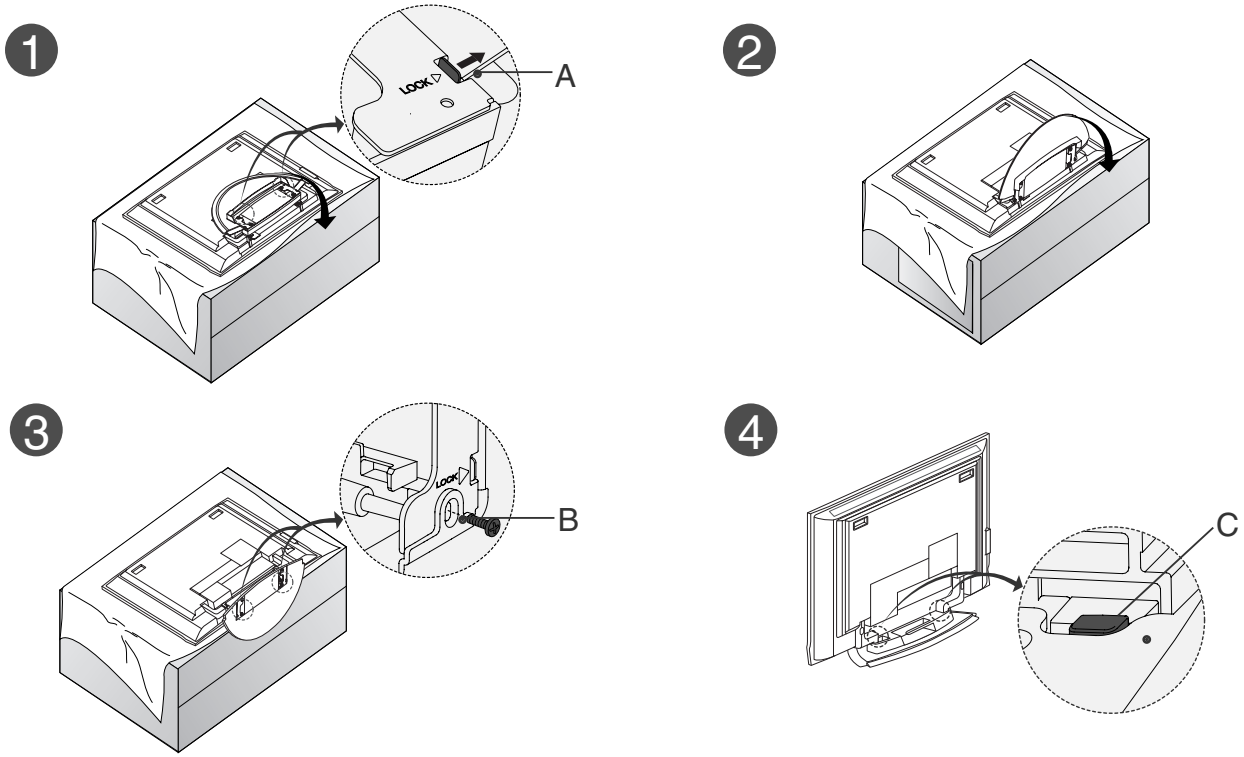
2-Wall brackets

2-eye-bolts

2-bolt for stand assemlby

This feature is not available for all models.

STAND INSTALLATION(OPTION)



- Place the set with the screen facing down on a cushion or soft cloth as shown in Figures 1.
  Before unfolding the stand, please make sure two locks (A) on the bottom of the stand push outward.
- Pull the stand out as shown above in Figures 2 ~ 3.
  After unfolding the stand, please insert and tighten the screws in the holes (B) on the bottom of the stand.
- When connecting cables to the set, Do not disengage the lock (C).
  This may cause the set to fall, causing serious bodily injury and serious damage to the set.

* NOTE

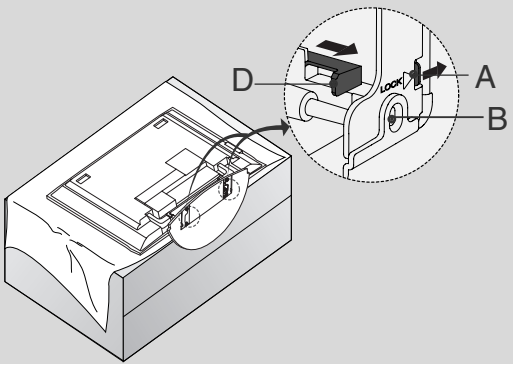
Figures shown here may be slightly different from your set.

When closing the stand for storage

First remove the screws in the holes (B) on the bottom of the stand. And then pull two Hooks (D) of the stand bottom

and fold the stand into the back of the set.

After folding, push two Locks (A) of the stand bottom outward.



SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

■ Application Range

This spec is applied to the 42” PLASMA TV used PP61A Chassis.

Chassis	Model Name	Market	Brand	Remark
PP61A	42PC3RA-ZJ	EU	LG	

■ Specification

Each part is tested as below without special appointment.

1) Temperature : 25±5°C (77±9°F), CST : 40±5
2) Relative Humidity: 65±10%
3) Power Voltage: Standard Input voltage (100-240V~, 50/60Hz)
   * Standard Voltage of each product is marked by models.
4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with SBOM.
5) The receiver must be operated for about 20 minutes prior to the adjustment.

■ Test Method

1) Performance : LGE TV test method followed.
2) Demanded other specification
   Safety : CE, IEC specification
   EMC : CE, IEC

Model	Market	Appliance
42PC3RA-ZJ	EU	Safety : IEC/EN60065, EMI : EN55013, EMS : EN55020

■ General Specification

1. Module Specification(42” XGA MODULE)

No	Item	Specification	Remark
1	Display Screen Device	42” Wide Color Display Module	Plasma Display Panel
2	Aspect Ratio	16:9	
3	PDP Module	PDP42X3, RGB Closed Type	Clear Filter
4	Operating Environment	1)Temp. : 0~40deg 2)Humidity : 0~85%	LGE SPEC.
5	Storage Environment	3)Temp. : -20~60deg 4)Humidity : 0~85%	
6	Input Voltage	100-240V~, 50/60Hz	Maker : LG

2. Model General Specification

No	Item	Specification			Remark
1	Market	EU			
2	Broadcasting system	PAL-BG/I/DK, NTSC			
3	Available Channel	BAND	PAL	NTSC	
		VHF/UHF	C1~C69	2~83	
		CATV	S1~S47	1~71	
4	Receiving system	Upper Heterodyne			
5	SCART Jack(2EA)	PAL, SECAM, NTSC			4 System : PAL, SECAM, NTSC, PAL60
6	Video Input (1EA)	PAL, SECAM, NTSC			4 System : PAL, SECAM, NTSC, PAL60
7	S-Video Input (1EA)	PAL, SECAM, NTSC			4 System : PAL, SECAM, NTSC, PAL60
8	Component Input (1EA)	Y/Cb/Cr, Y/Pb/Pr			
9	RGB Input(1EA)	RGB-PC, RGB-DTV			
10	HDMI Input(1EA)	HDMI-DTV			
11	Audio Input (4EA)	PC Audio, Component(1EA), AV (2EA)			L/R Input
12	Wired Control(1EA)				
13	Audio variable out(1EA)				

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions are applied to all of the 42” PLASMA TV, PP61A Chassis.

2. Notes

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
(2) Adjustment must be done in the correct order.
(3) The adjustment must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation.
(4) The input voltage of the receiver must keep 100-240V~, 50/60Hz.
(5) The receiver must be operated for about 15 minutes prior to the adjustment.

- After RGB Full White in HEAT-RUN Mode, the receiver must be operated prior to the adjustment.
- Enter into HEAT-RUN MODE
  (1) Press the POWER ON KEY on R/C for adjustment.
  (2) OSD display and screen display 100% full WHITE PATTERN.

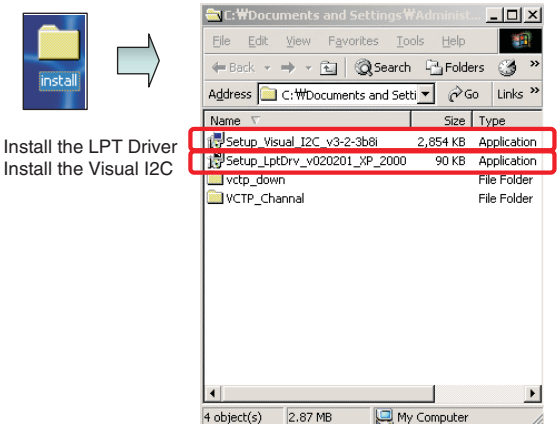
※ Set is activated HEAT run without signal generator in this mode.
※ Single color pattern (RED / BLUE / GREEN) of HEAT RUN MODE uses to check panel.

(Caution) If you turn on a still screen more than 20 minutes, (Especially digital pattern, cross hatch pattern) , an after image may be occur in the black level part of the screen.

3. Download Program Installation

(1) Extract a Zip file.

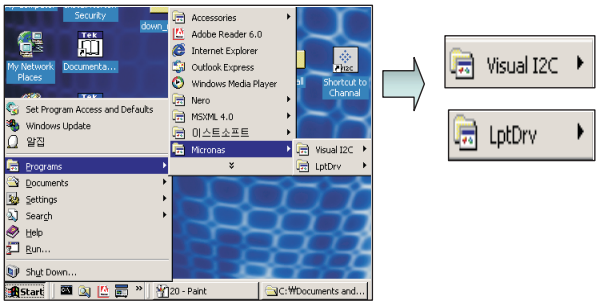
(2) Visaul I2C & LPT Driver Installation.



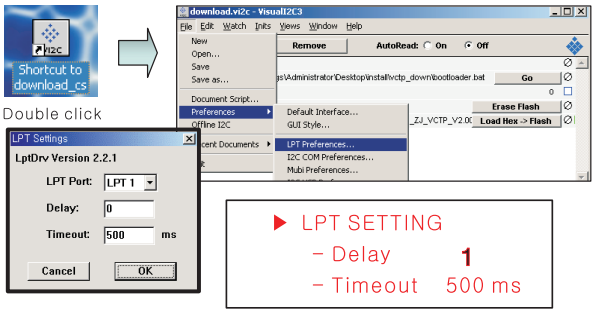
LPT Port Driver (LptDrv) Setups : Program Files>Micronas>Visual I2C>Port_Driver

- ▶ Use for Windows 95/98 : Setup _LptDrv_v0104_9x.exe
- ▶ Use for Windows 2000/XP : Setup_LptDrv_v0202_XP_2000.exe
- ▶ Use for Windows NT : Setup_LptDrv_v0104_NT.exe

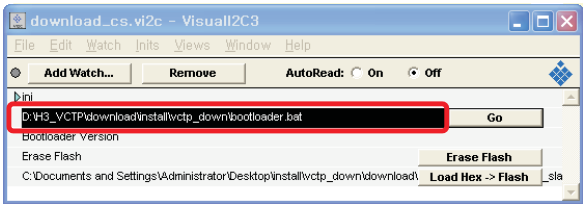
(3) Verification.(Start>Programs>Micronas>Visual I2C or LptDrv)



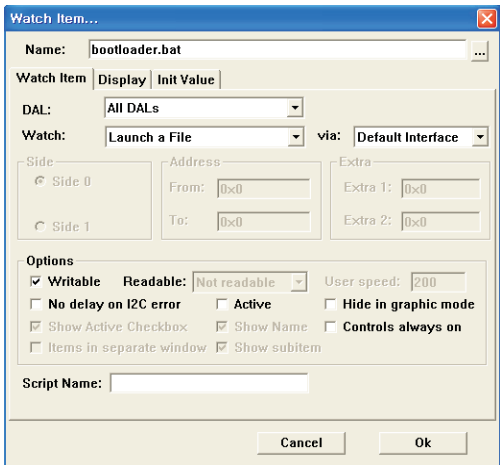
(4) LPT delay setting.(File>Preference>LPT preferences..)



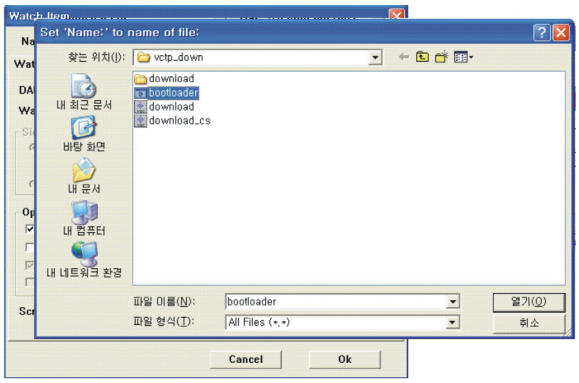
(5) Exchange the bootloader.bat file.



▶ Double click the Red area.

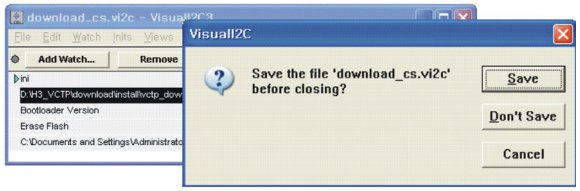


▶ Double click the Red area.



► Select the “bootloader.bat” file.(install>VCTP_download> bootloader)

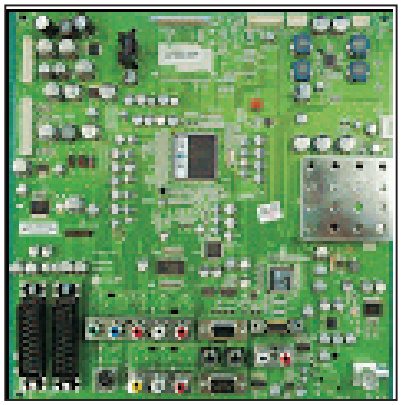
► Push “OK”



► Finish the program, after saving the file “download_cs.vi2c”. (if you click , the massage appears automatically)

4. S/W Program Download

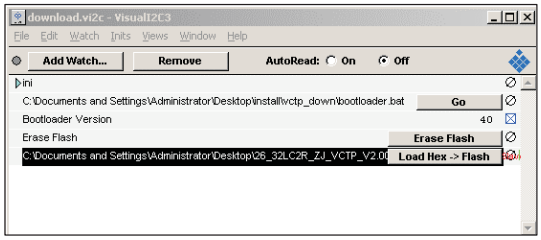
4-1. Download Method 1 (PCB Ass’y)



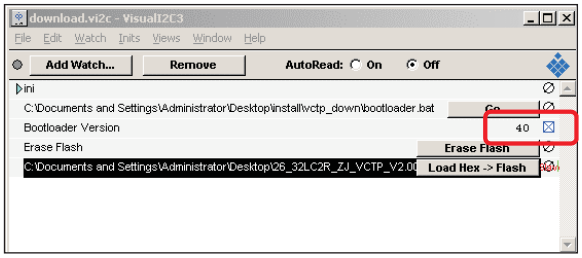
(1) Connect the download jig to D-sub jack.

(2) Execute ‘Download.vi2c’ program in PC, then a main window will be opened.

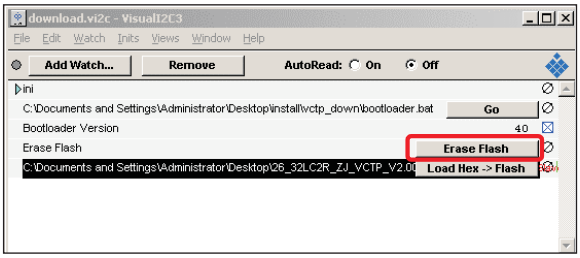
Double click



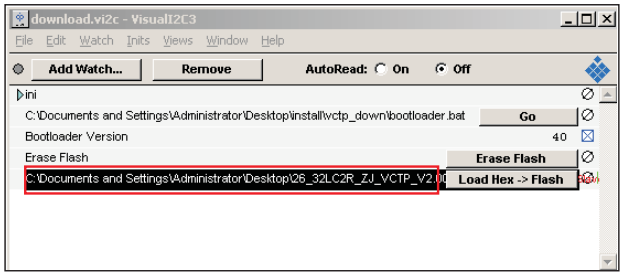
(3) Double click the blue box and confirm “Bootloader Version” as 40.



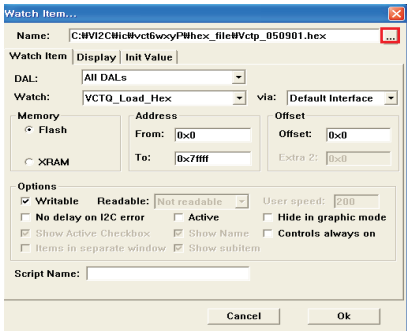
(4) Click the “Erase Flash” button.



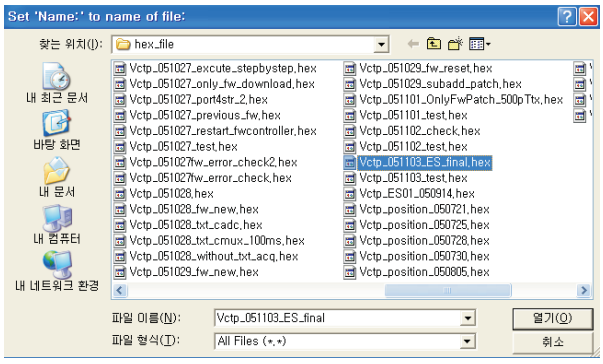
5) Double click the download file low, then “edit” window will be opened.


download.vi2c - Visuall2C3
File Edit Watch Inits Views Window Help
Add Watch... Remove AutoRead: On Off
ini
C:\Documents and Settings\Administrator\Desktop\install\vctp_down\bootloader.bat Go
Bootloader Version 40
Erase Flash Erase Flash
C:\Documents and Settings\Administrator\Desktop\26_32LC2R_ZJ_VCTP_V2.hf Load Hex -> Flash

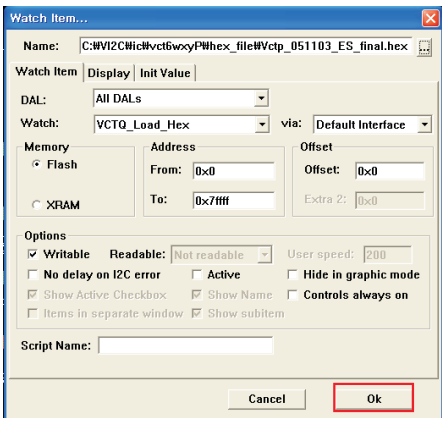
(6) Click the choice button in the “edit window”, then “file choice window” will be opened.


Watch Item...
Name: C:\VI2C\ic\vct6wxyP\hex_file\Vctp_050901.hex
Watch Item Display Init Value
DAL: All DALs
Watch: VCTQ_Load_Hex via: Default Interface
Memory Flash XRAM
Address From: 0x0 To: 0x7ffff
Offset Offset: 0x0 Extra 2: 0x0
Options
Writable Readable: Not readable User speed: 200
No delay on I2C error Active Hide in graphic mode
Show Active Checkbox Show Name Controls always on
Items in separate window Show subitem
Script Name:
Cancel Ok

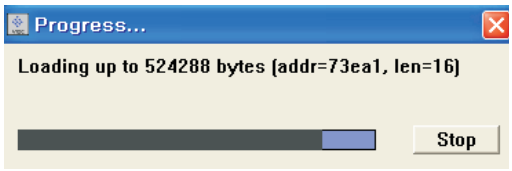
(7) Choose the Hex file in folder and execute downloading with click “ open” button.



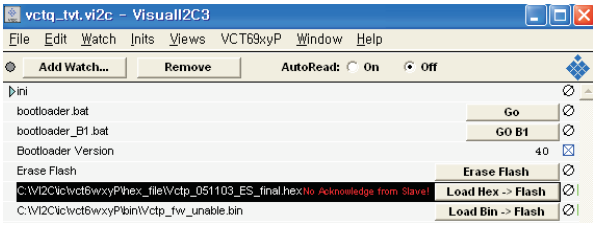
(8) Click OK button at the “edit window”.


Watch Item...
Name: C:\VI2C\ic\vct6wxyP\hex_file\Vctp_051103_ES_final.hex
Watch Item Display Init Value
DAL: All DALs
Watch: VCTQ_Load_Hex via: Default Interface
Memory Flash XRAM
Address From: 0x0 To: 0x7ffff
Offset Offset: 0x0 Extra 2: 0x0
Options
Writable Readable: Not readable User speed: 200
No delay on I2C error Active Hide in graphic mode
Show Active Checkbox Show Name Controls always on
Items in separate window Show subitem
Script Name:
Cancel Ok

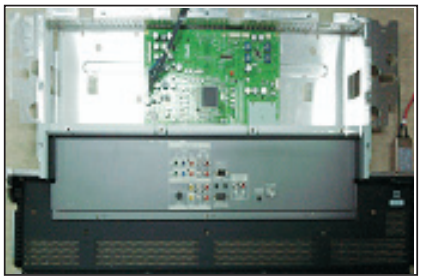
(9) Under Downloading process.



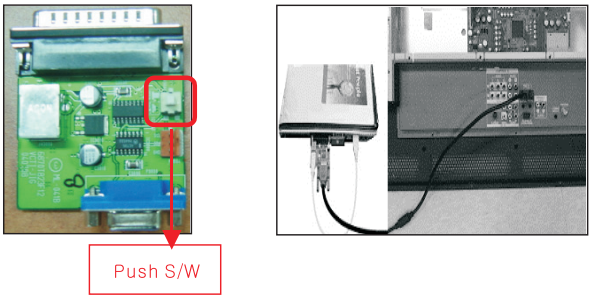
(10) If download is failed, for example “No acknowledge from slave”, Execute download again from(1).


vctq_tvt.vi2c - Visuall2C3
File Edit Watch Inits Views VCT69xyP Window Help
Add Watch... Remove AutoRead: On Off
ini
bootloader.bat Go
bootloader_B1.bat GO B1
Bootloader Version 40
Erase Flash Erase Flash
C:\VI2C\ic\vct6wxyP\hex_file\Vctp_051103_ES_final.hex No Acknowledge from Slave! Load Hex -> Flash
C:\VI2C\ic\vct6wxyP\bin\Vctp_fw_unable.bin Load Bin -> Flash

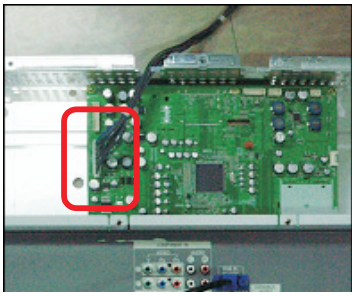
4-2. Download Method 2 (AV Plate Ass’y)



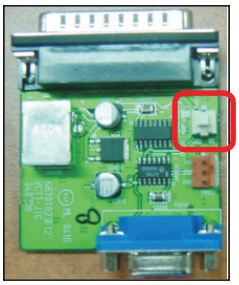
(1) Push S/W ‘ON” (connect SCL to GND using switch at Jig) and connect the download jig to D-sub jack.



(2) Supply the power (Stand-by 5V) and wait for 3 seconds.



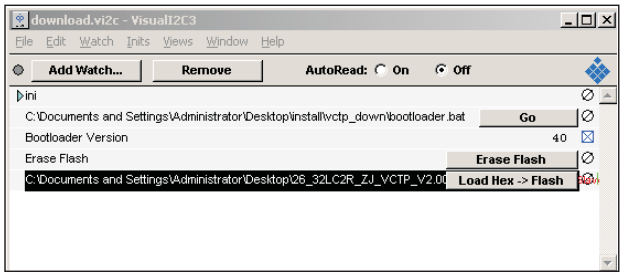
(3) Push the S/W off (Disconnect SCL to GND using switch at jig.



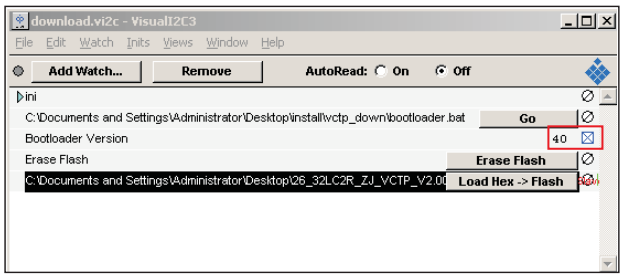
Push S/W

(4) `Execute 'Download.vi2c' program in PC, then a main widow will be opened.

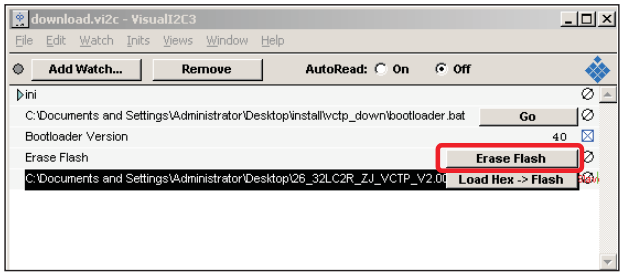
Double click


download.vi2c - VisualI2C3
File Edit Watch Inits Views Window Help
Add Watch... Remove AutoRead: On Off
ini
C:\Documents and Settings\Administrator\Desktop\install\vctp_down\bootloader.bat Go
Bootloader Version 40
Erase Flash Erase Flash
C:\Documents and Settings\Administrator\Desktop\26_32LC2R_ZJ_VCTP_V2.0 Load Hex -> Flash

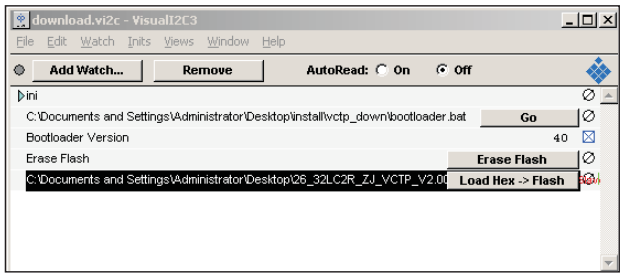
(5) Double click the blue box and confirm "Bootloader Version" as 40.


download.vi2c - VisualI2C3
File Edit Watch Inits Views Window Help
Add Watch... Remove AutoRead: On Off
ini
C:\Documents and Settings\Administrator\Desktop\install\vctp_down\bootloader.bat Go
Bootloader Version 40
Erase Flash Erase Flash
C:\Documents and Settings\Administrator\Desktop\26_32LC2R_ZJ_VCTP_V2.0 Load Hex -> Flash

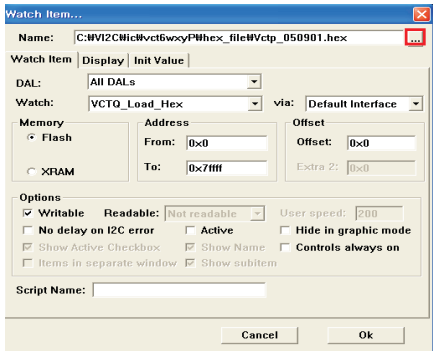
(6) Click the "Erase Flash" button.


download.vi2c - VisualI2C3
File Edit Watch Inits Views Window Help
Add Watch... Remove AutoRead: On Off
ini
C:\Documents and Settings\Administrator\Desktop\install\vctp_down\bootloader.bat Go
Bootloader Version 40
Erase Flash Erase Flash
C:\Documents and Settings\Administrator\Desktop\26_32LC2R_ZJ_VCTP_V2.0 Load Hex -> Flash

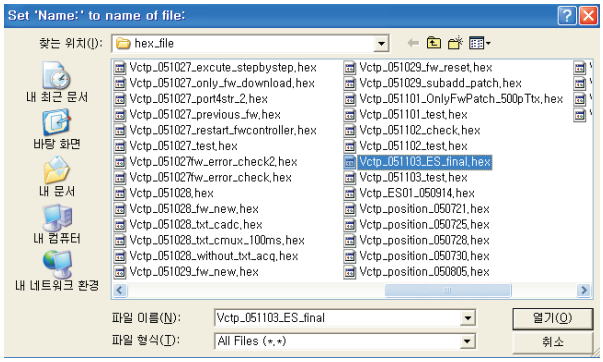
(7) Double click the download file low then, "edit" window will be opened.


download.vi2c - VisualI2C3
File Edit Watch Inits Views Window Help
Add Watch... Remove AutoRead: On Off
ini
C:\Documents and Settings\Administrator\Desktop\install\vctp_down\bootloader.bat Go
Bootloader Version 40
Erase Flash Erase Flash
C:\Documents and Settings\Administrator\Desktop\26_32LC2R_ZJ_VCTP_V2.0 Load Hex -> Flash

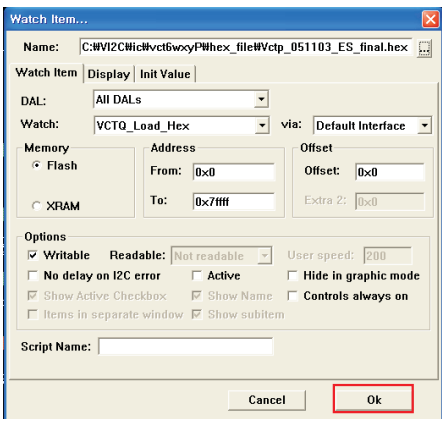
(8) Chick the choice button I n the "edit window", then "file choice window' will be opened.


Watch Item...
Name: C:₩VI2C₩ic₩vct6wxyP₩hex_file₩Vctp_050901.hex
Watch Item Display Init Value
DAL: All DALs
Watch: VCTQ_Load_Hex via: Default Interface
Memory Flash XRAM
Address From: 0x0 To: 0x7fff
Offset Offset: 0x0 Extra 2: 0x0
Options
Writable Readable: Not readable User speed: 200
No delay on I2C error Active Hide in graphic mode
Show Active Checkbox Show Name Controls always on
Items in separate window Show subitem
Script Name:
Cancel Ok

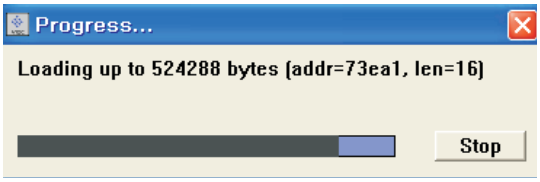
(9) Choose the Hex file in folder and execute downloading with click "open button".



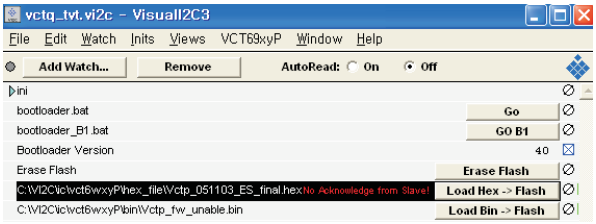
(10) Click OK button at the "edit window".


Watch Item...
Name: C:₩VI2C₩ic₩vct6wxyP₩hex_file₩Vctp_051103_ES_final.hex
Watch Item Display Init Value
DAL: All DALs
Watch: VCTQ_Load_Hex via: Default Interface
Memory Flash XRAM
Address From: 0x0 To: 0x7fff
Offset Offset: 0x0 Extra 2: 0x0
Options
Writable Readable: Not readable User speed: 200
No delay on I2C error Active Hide in graphic mode
Show Active Checkbox Show Name Controls always on
Items in separate window Show subitem
Script Name:
Cancel Ok

(11) Under Downloading progress.



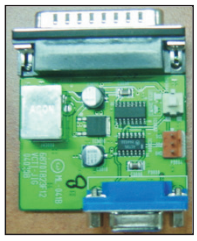
(12) If download is failed, for example “No acknowledge from slave”, execute download again from (1).

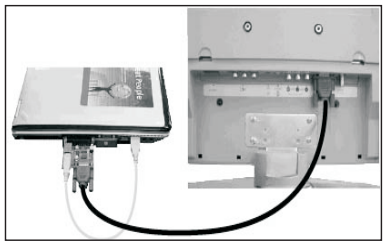

vctq_tvt.vi2c - Visual12C3
File Edit Watch Inits Views VCT69xyP Window Help
Add Watch... Remove AutoRead: On Off
ini
bootloader.bat Go
bootloader_B1.bat GO B1
Bootloader Version 40
Erase Flash Erase Flash
C:\VI2C\ic\vct6wxyP\hex_file\Vctp_051103_ES_final.hex No Acknowledge from Slave! Load Hex -> Flash
C:\VI2C\ic\vct6wxyP\bin\Vctp_fw_unable.bin Load Bin -> Flash

4-3. Download Method 3 (SET)

(1) Push the “Tilt” button in an Adjust Remocon Then the PDP will change a “slave mode”.

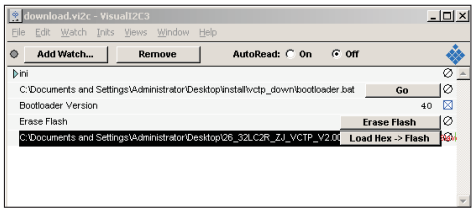
(2) Connect Zig to TV using a D-sub cable.



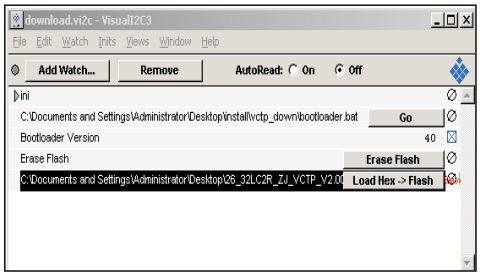


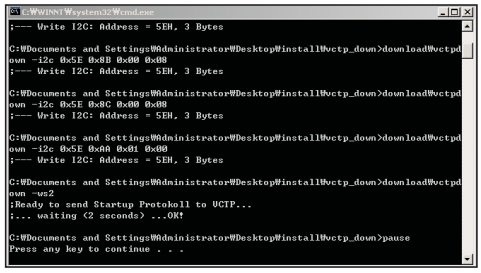
(3) `Execute ‘Download_CS.vi2c’ program in PC, then a main widow will be opened.

Double click


download.vi2c - Visual12C3
Add Watch... Remove AutoRead: On Off
ini
C:\Documents and Settings\Administrator\Desktop\install\vctp_down\bootloader.bat Go
Bootloader Version 40
Erase Flash Erase Flash
C:\Documents and Settings\Administrator\Desktop\26_32LC2R_ZJ_VCTP_V2.0 Load Hex -> Flash

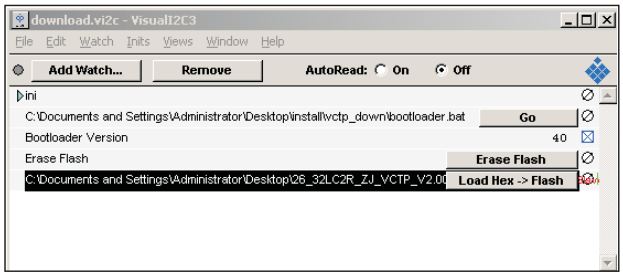
(4) Click “GO” button.


download.vi2c - Visual12C3
Add Watch... Remove AutoRead: On Off
ini
C:\Documents and Settings\Administrator\Desktop\install\vctp_down\bootloader.bat Go
Bootloader Version 40
Erase Flash Erase Flash
C:\Documents and Settings\Administrator\Desktop\26_32LC2R_ZJ_VCTP_V2.0 Load Hex -> Flash

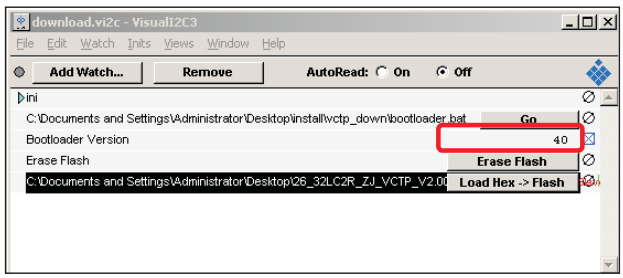

:--- Write I2C: Address = 5EH, 3 Bytes
C:\Documents and Settings\Administrator\Desktop\install\vctp_down>download\vctpd
own -i2c 0x5E 0x88 0x00 0x08
:--- Write I2C: Address = 5EH, 3 Bytes
C:\Documents and Settings\Administrator\Desktop\install\vctp_down>download\vctpd
own -i2c 0x5E 0x8C 0x00 0x08
:--- Write I2C: Address = 5EH, 3 Bytes
C:\Documents and Settings\Administrator\Desktop\install\vctp_down>download\vctpd
own -i2c 0x5E 0xAA 0x01 0x00
:--- Write I2C: Address = 5EH, 3 Bytes
C:\Documents and Settings\Administrator\Desktop\install\vctp_down>download\vctpd
own -ws2
:Ready to send Startup Protokoll to VCTP...
:... waiting (2 seconds) ...OK!
C:\Documents and Settings\Administrator\Desktop\install\vctp_down>pause
Press any key to continue . . .

If you don’t push the “go”, the Hex file would not be downloaded although the download proceeds normally at first glance.

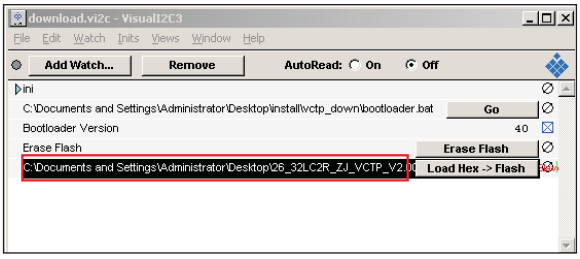
(5) Double click the blue box and confirm “Bootloader Version” as 40.


download.vi2c - Visual12C3
Add Watch... Remove AutoRead: On Off
ini
C:\Documents and Settings\Administrator\Desktop\install\vctp_down\bootloader.bat Go
Bootloader Version 40
Erase Flash Erase Flash
C:\Documents and Settings\Administrator\Desktop\26_32LC2R_ZJ_VCTP_V2.0 Load Hex -> Flash

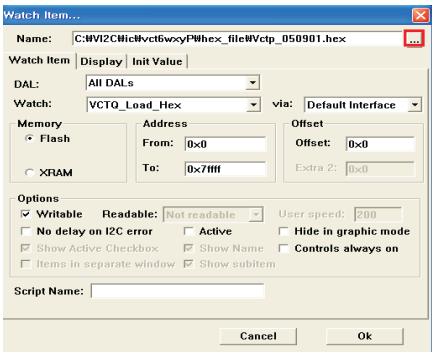
(6) Click the “Erase Flash” button.


download.vi2c - Visual12C3
Add Watch... Remove AutoRead: On Off
ini
C:\Documents and Settings\Administrator\Desktop\install\vctp_down\bootloader.bat Go
Bootloader Version 40
Erase Flash Erase Flash
C:\Documents and Settings\Administrator\Desktop\26_32LC2R_ZJ_VCTP_V2.0 Load Hex -> Flash

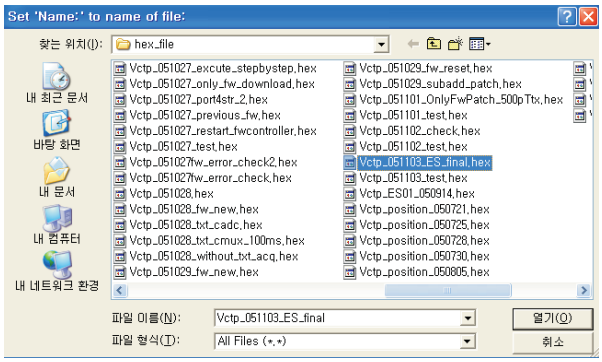
(7) Double click the download file low then, “edit” window will be opened.



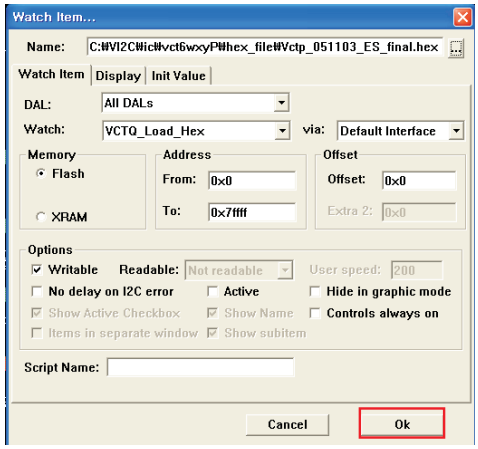
(8) Chick the choice button In the “edit window”, then “file choice window’ will be opened.



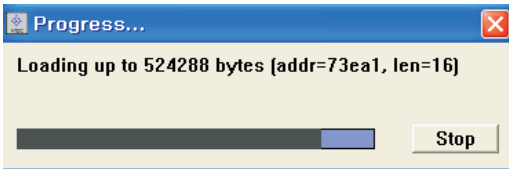
(9) Choose the Hex file in folder and execute downloading with click “open button”.



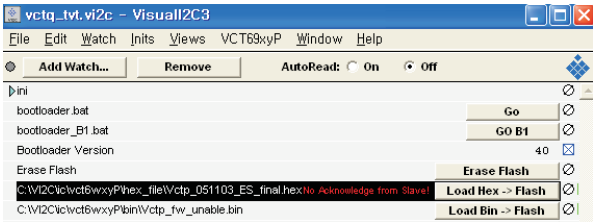
(10) Click OK button at the “edit window”.



(11) Under Downloading progress.



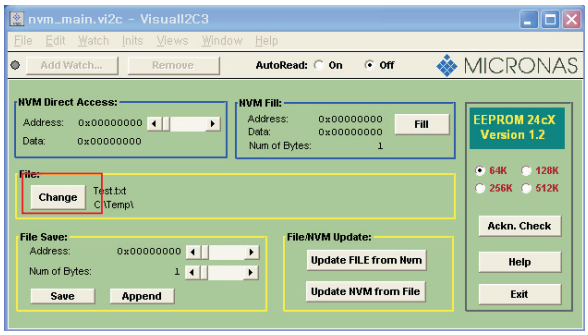
(12) If download is failed, for example “No acknowledge from slave”, execute download again from (1).



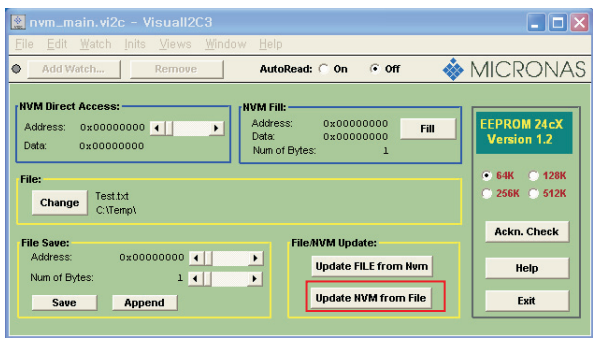
5. Channel Memory Download

(1) Connect the download jig to D-sub jack.
(2) `Execute ‘Channal.vi2c’ program in PC, then a main widow will be opened.

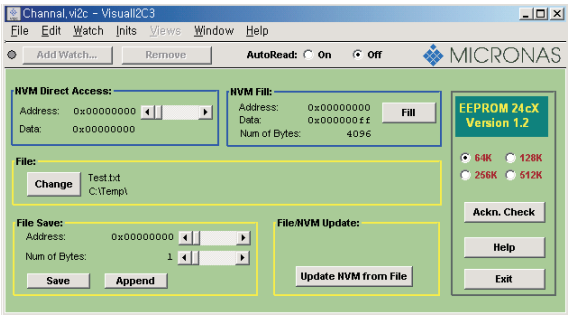
(3) Push the button change and select the Channel memory data.



(4) Push the Update NVM from File.



(5) If download is failed, for example “No acknowledge from slave”, execute download again from(1).



Data 0x00000000 -> 0x000000ff
Num of Byte 0 -> 4096

6. Tool Option, Area Option change

Tool Option, Area Option change Before PCB Assy check, have to change the Tool option and Area option.
Option value are below.
(If you don’t change the option, the input menu can differ the model spec.)
The input methods are same as other chassis.

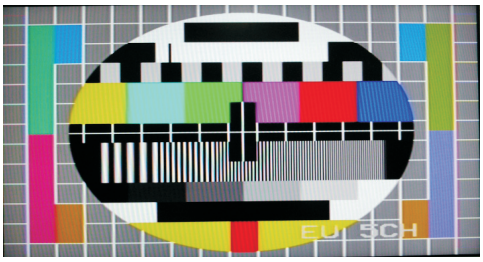
Tool Option				
Inch & Model		ZJ	TJ	CJ
42	1RV	30224	25616	25616
	3RV	29200	24592	24592
Area Option		0~19	20~	23

* refer to the Job expression at BOM

7. Color Carrier Adjustment

(Inspection process)

(1) Tuning the RF EU-5CH(C5)



(2) Push the “adj” button at an adjust remocon

Caution: Each PCB assembly must be checked by check JIG set. (Because power PCB Assembly damages to PDP Module, especially be careful)

8. POWER PCB Assy Voltage Adjustment (Va, Vs Voltage Adjustment)

8-1. Test equipment: D.M.M 1EA

8-2. Connection Diagram for Measuring

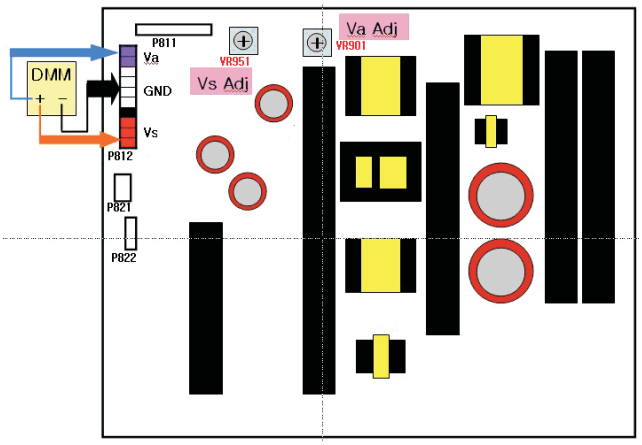
Refer to Fig.1

8-3. Adjustment Method

Adjustment Method for Power Board(P/No: 6709900019A)

(1) Va Adjustment

1) After receiving 100% Full White Pattern, HEAT RUN.
2) Connect + terminal of D.M.M to Va pin of P812, connect - terminal to GND pin of P812.
3) After turning VR0901, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; ±0.5V)



(Fig. 1) Connection Diagram of Power Adjustment for Measuring

(2) Vs Adjustment

1) Connect + terminal of D.M.M to Vs pin of P812, connect – terminal to GND pin of P812.
2) After turning VR951, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; ±0.5V)

9. EDID(The Extended Display Identification Data)/DDC (Display Data Channel) Download

* Use the proper signal cable for EDD Download.

Caution: - Never connect HDMI & D-SUB Cable at the same time.
- Use the proper cables below for EDID Writing

For RGB EDID	For HDMI EDID	

*EDID Data

No	Item	Condition	Hexadecimal Data
1	Manufacturer ID	GSM	1E6D
2	Version	Digital : 1	01
3	Revision	Digital : 3	03

<EDID DATA Analog Set : 128bytes>

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	a		b			
10	c		01	03	18	5C	34	96	0A	F3	30	A7	54	42	AA	26
20	0F	48	4C	A1	08	00	31	40	01	01	45	40	01	01	61	40
30	01	01	01	01	01	01	D5	09	80	A0	20	E0	2D	10	08	60
40	22	00	98	06	32	08	08	18	64	19	00	40	41	00	26	30
50	18	88	36	00	98	06	32	00	00	18	00	00	00	FC	00	
60	d									0A	20	20	00	00	00	FD
70	00	30	3E	1E	32	08	00	0A	20	20	20	20	20	20	00	e

<EDID DATA HDMI Set : 256byte>

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	(a)		(b)			
10	(c)		01	03	80	5C	34	96	0A	F3	30	A7	54	42	AA	26
20	0F	48	4C	00	00	00	01	01	01	01	01	01	01	01	01	01
30	01	01	01	01	01	01	8C	0A	D0	8A	20	E0	2D	10	10	3E
40	96	00	C4	8E	21	00	00	18	00	00	00	FC	00			
50	(d)						0A	20	20	20	00	00	00	FD	00	2D
60	41	19	32	08	00	0A	20	20	20	20	20	20	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	01	(e)
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	02	03	1C	72	23	09	07	02	49	07	16	81	03	05	14	13
10	12	04	83	01	00	00	65	03	0C	00	10	00	01	1D	80	18
20	71	1C	16	20	58	2C	25	00	C4	8E	21	00	00	9E	01	1D
30	80	D0	72	1C	16	20	10	2C	25	80	C4	8E	21	00	00	9E
40	01	1D	00	BC	52	D0	1E	20	B8	28	55	40	C4	8E	21	00
50	00	1E	8C	0A	D0	90	20	40	31	20	0C	40	55	00	C4	8E
60	21	00	00	18	01	1D	00	72	51	D0	1E	20	6E	28	55	00
70	C4	8E	21	00	00	1E	00	00	00	00	00	00	00	00	00	2F

* Detail EDID Optoins are below((a),(b),(c),(d),(e))

(a) Product ID.

Model	A/D	Product ID		
		DEC	HEX	EDID Table
42PC1RVA	Analog	40043	9C6B	6B9C
	Digital	40044	9C6C	6C9C
42PC1RV	Analog	40045	9C6D	6D9C
	Digital	40046	9C6E	6E9C
42PC3RA	Analog	40047	9C6F	6F9C
	Digital	40048	9C70	709C
42PC3RV	Analog	40021	9C55	559C
	Digital	40022	9C56	569C
42PC1R	Analog	40049	9C71	719C
	Digital	40050	9C72	729C

(b) Serial No : Controlled on production line.

(c) Month, Yeear : Controlled on production line.
ex) Montly : '03' -> '03'
Year : '2005' -> '0F'

(d) Model Name(Hex)

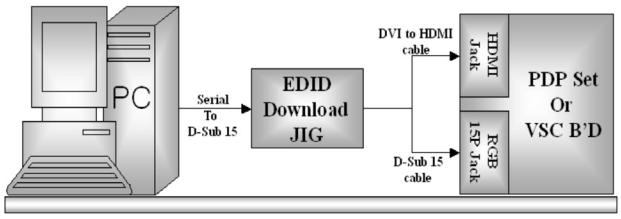
Model Name	Model Name (HEX)
42PC1RV-CJ	34 32 50 43 31 52 56 2D 43
42PC1RV-MJ	34 32 50 43 31 52 56 2D 4D
42PC1RV-ZJ	34 32 50 43 31 52 56 2D 5A
42PC3RV-ZJ	34 32 50 43 33 52 56 2D 5A
42PC3RV-TJ	34 32 50 43 33 52 56 2D 54
42PC3RA-ZJ	34 32 50 43 33 52 41 2D 5A
42PC1R-MJ	34 32 50 43 31 52 2D 4D 4A
42PC3RV-UJ	34 32 50 43 33 56 2D 55 4A

(e) Checksum : Changeable by total EDID data.

9-1. Required Test Equipment

(1) Adjusting PC with S/W for writing EDID Data.(S/W: EDID TESTER Ver.2.5)
(2) A Jig for EDID Download
(3) Cable: Serial(9Pin or USB) to D-sub 15Pin cable, D-sub 15Pin cable, DVI to HDMI cable.

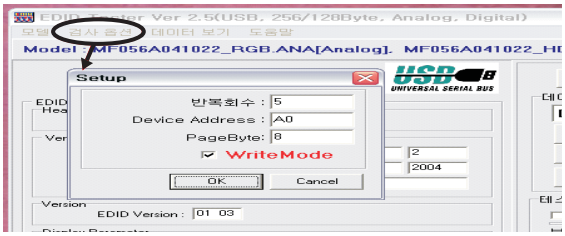
9-2. Setting of Device



(Fig. 2) Connection Diagram of DDC Download

9-3. Preparation for Adjustment

(1) As above (Fig. 2), Connect the Set, EDID Download Jig,, PC & Cable.
(2) Turn on the PC & EDID Download Jig. And Execute the S/W : EDID TESTER Ver.2.5
(3) Set up the S/W option.
Repeat Number : 5
Device Address : A0
PageByte : 8

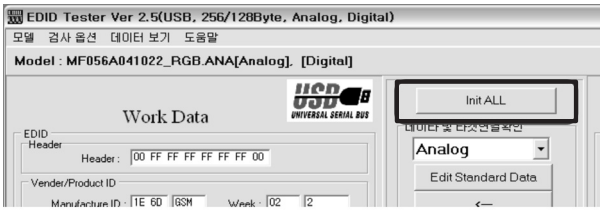


(4) Power on the Set.

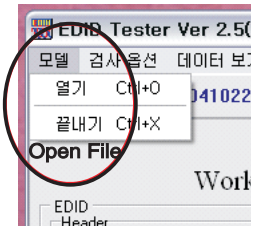
9-4. Sequence of Adjustment

DDC data of Analog-RGB

(1) Init the data.



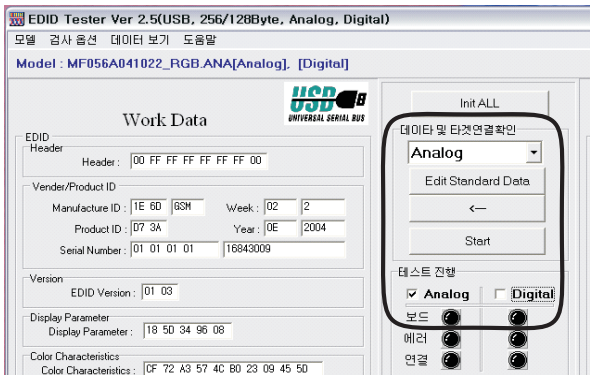
(2) Load the EDID data.(Open File)



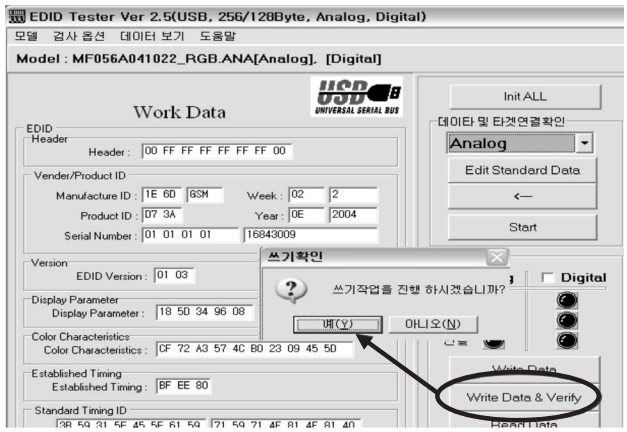
[Analog - RGB :
PP61A/C_RGB.ANA]

[Digital - HDMI :
PP61A/C_HDMI.DVI]

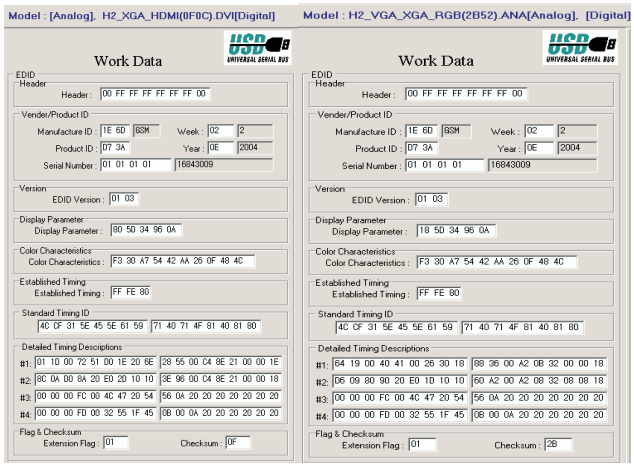
(3) Set the S/W as below.



(4) Push the “Write Data & Verify” button. And confirm “Yes”.



(5) If the writing is finished, you will see the “ OK” message.

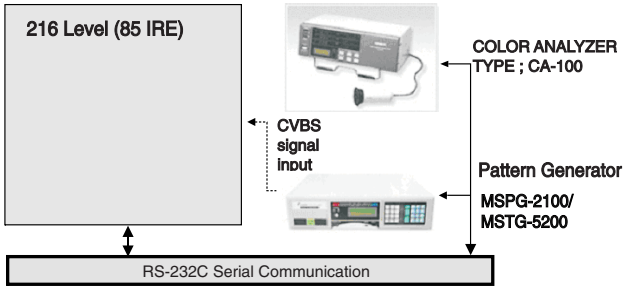


10. Adjustment of White Balance

10-1. Required Equipment

(1) Remote Controller for Adjustment.
(2) Color Analyzer.(CA-100 or same product)
(3) Auto W/B adjustment instrument.(only for Auto adjustment)
(4) AV Pattern Generator.

10-2. Connecting Diagram of Equipment for Measuring (For Automatic Adjustment)



(Fig. 3) Connection Diagram of Auto W/B Adjustment

Auto Adjustment Map(RS-232C)

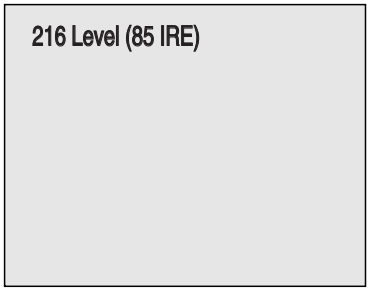
Type		PP61A/ PP61C				
Baud Rate		Data bit		Stop bit		Parity
115200		8		1		NONE
Protocol Setting	Index	Cmd1	Cmd2	Data	Min Value	Max Value
	R Gain	j	a		00(00)	255(FF)
	G Gain	j	b		00(00)	255(FF)
	B Gain	j	c		00(00)	255(FF)
	R Offset	j	d		00(00)	255(FF)
	G Offset	j	e		00(00)	255(FF)
	B Offset	j	f		00(00)	255(FF)

10-3. Adjustment of White Balance

(For Manual Adjustment)

- Operate the zero-calibration of the CA-100, then stick sensor to PDP module surface when you adjust.
- For manual adjustment, it is also possible by the following sequence

(1) Select white pattern of heat-run mode by pressing power on key on remote control for adjustment then operate heat run more than 15 minutes.
(2) As below Fig. 4, Supply 216Level (85 IRE) full screen pattern to Video input.
(3) Press the TV/AV KEY on R/C for converting input mode.
(4) Set the PSM to Standard mode in Picture menu.
(5) Enter the White Balance adjustment mode by pressing the INSTANT key twice(White Balance) on R/C.
(6) Stick sensor to center of the screen and select each items (Red/Green/Blue Gain and Offset) using ▲/▼(CH +/-) key on R/C.
(7) Adjust Only High Light with R Gain / B Gain using ◀/▶ (VOL +/-) key on R/C.
(8) Adjust it until color coordination becomes as below.
Brightness : High Light : 80 ± 20cd/m2
Color-Coordinate : High Light : X : 0.283 ± 0.003
Y : 0.298 ± 0.003
Color Temperature : 9,300°K ± 500°K
(9) When adjustment is completed, Exit adjustment mode using EXIT key on R/C.



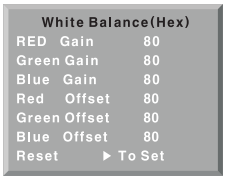
(Fig. 4) Pattern for Adjustment of White Balance

11. Input the Shipping Option Data

1) Push the IN-START key in a Adjust Remocon.
2) Input the Option Number that was specified in the BOM, into the Shipping area.
3) The work is finished, Push ■ Key.

12. Default value in adjustment mode

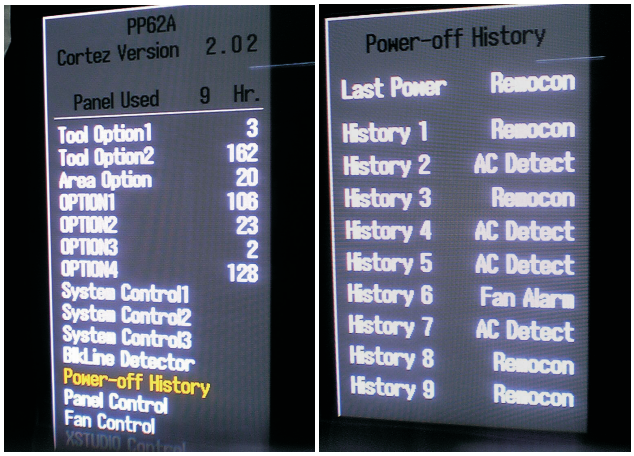
12-1. White Balance



(Fig. 5) Default Value on OSD

13. Power-off History

1) This function indicated Power off history.
2) You can go into this mode by ADJ key in ADJ remocon.

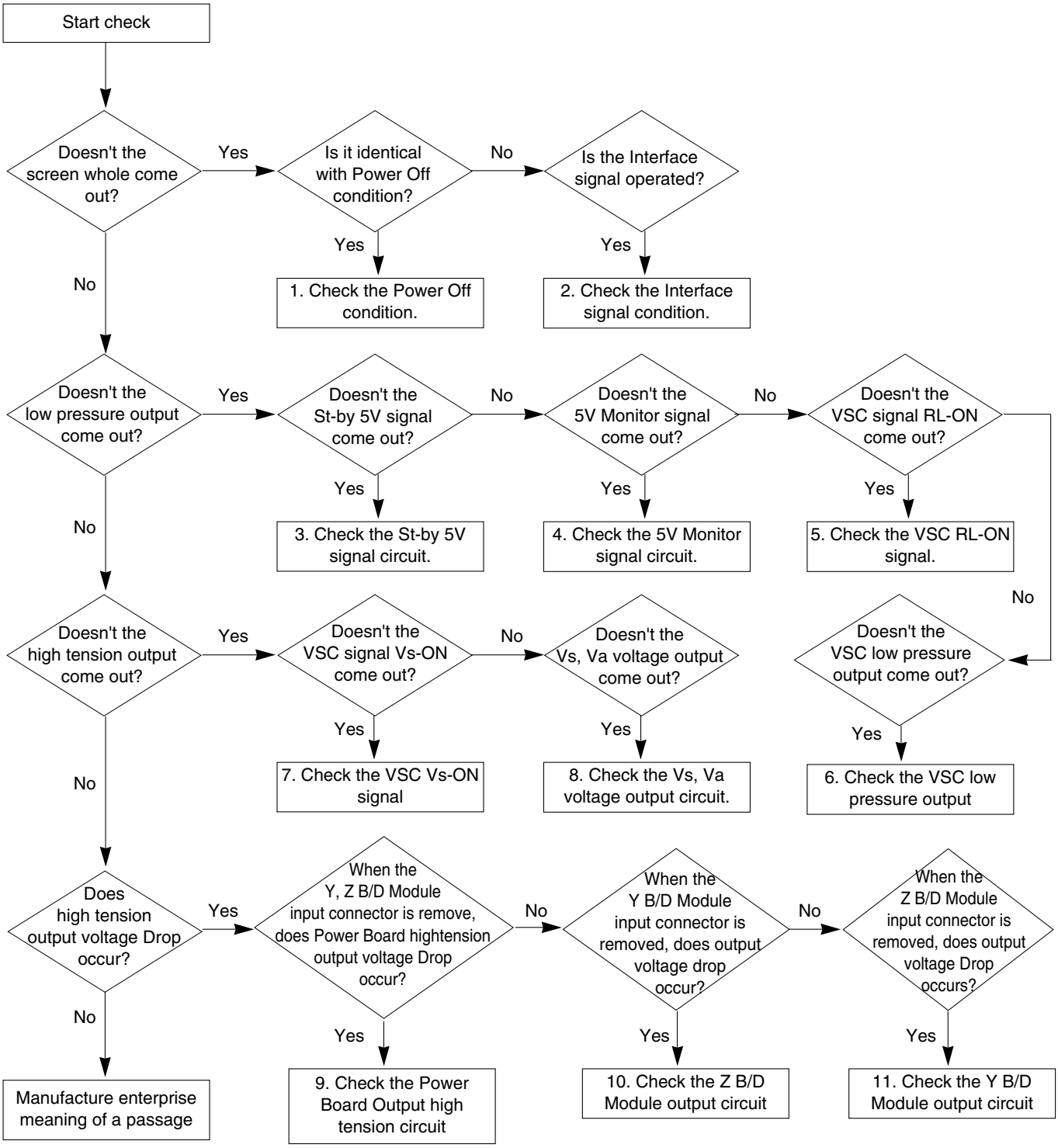


(Fig. 6) Power-off History

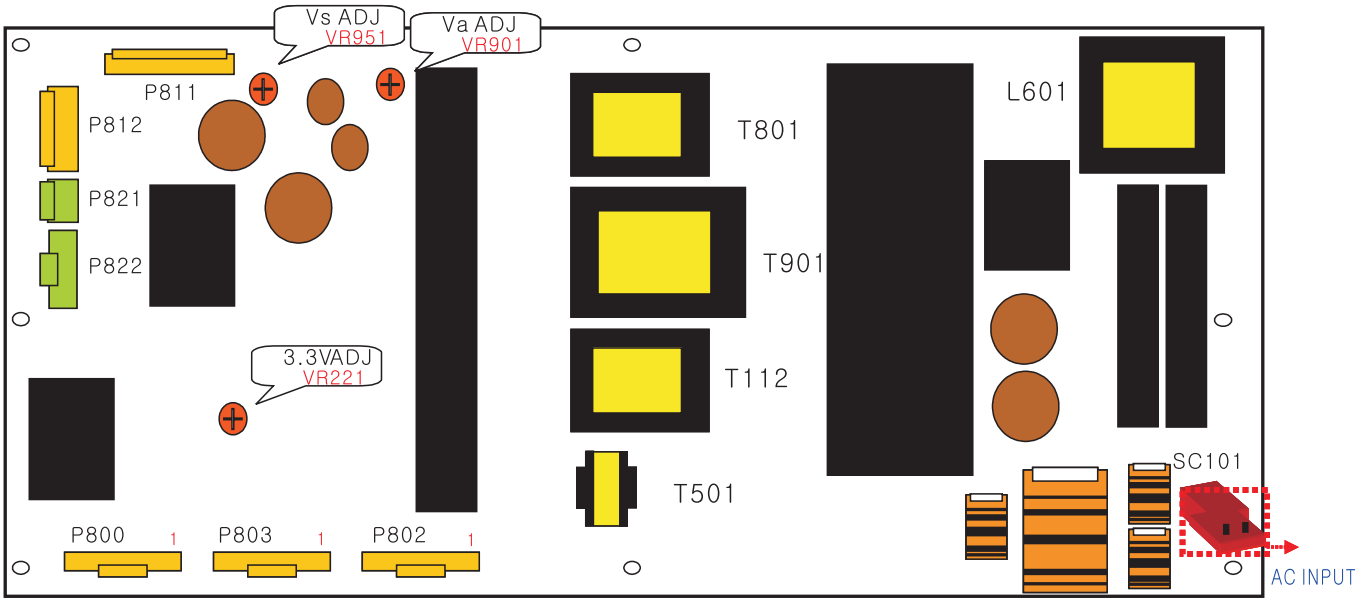
TROUBLE SHOOTING GUIDE

1. Power Board

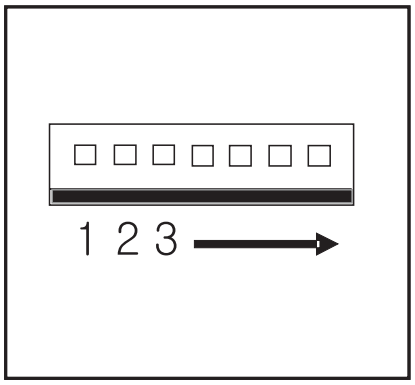
1-1. The whole flowchart which it follows in voltage output state


Start check
Doesn't the screen whole come out?
Yes
Is it identical with Power Off condition?
No
Is the Interface signal operated?
Yes
1. Check the Power Off condition.
Yes
2. Check the Interface signal condition.
No
Doesn't the low pressure output come out?
Yes
Doesn't the St-by 5V signal come out?
No
Doesn't the 5V Monitor signal come out?
No
Doesn't the VSC signal RL-ON come out?
Yes
3. Check the St-by 5V signal circuit.
Yes
4. Check the 5V Monitor signal circuit.
Yes
5. Check the VSC RL-ON signal.
No
Doesn't the high tension output come out?
Yes
Doesn't the VSC signal Vs-ON come out?
No
Doesn't the Vs, Va voltage output come out?
No
Doesn't the VSC low pressure output come out?
Yes
7. Check the VSC Vs-ON signal
Yes
8. Check the Vs, Va voltage output circuit.
Yes
6. Check the VSC low pressure output
No
Does high tension output voltage Drop occur?
Yes
When the Y, Z B/D Module input connector is remove, does Power Board hightension output voltage Drop occur?
No
When the Y B/D Module input connector is removed, does output voltage drop occur?
No
When the Z B/D Module input connector is removed, does output voltage Drop occurs?
No
Manufacture enterprise meaning of a passage
Yes
9. Check the Power Board Output high tension circuit
Yes
10. Check the Z B/D Module output circuit
Yes
11. Check the Y B/D Module output circuit

1-2. 42” Power Board Structure



NO	AC INLET	ANALOG & DIGITAL BOARD			PDP MODULE		READY [1]	
	SC1	P800	P803	P802	P811	P812	P821	P822
1	AC	AC Det	19V	3.4V	Vs	5V	5V	GND
2	NC	RL-ON	19V	3.4V	Vs	GND	5V	GND
3	AC	STB 5V	GND	GND	NC	Va	GND	GND
4		GND	GND	GND	GND	GND	GND	GND
5		Vs-ON	6V	6V	GND	GND		5V
6		5V Det	GND	6V	Va	GND		5V
7		3.4V-ON	3.4V	GND	GND	NC		5V
8		STB 5V	GND	GND	5V	Vs		5V
9		GND	12V	12V		Vs		
10		NC	GND	12V				
11		6V		GND				
12		GND		GND				
13		3.4V-ON						



T801: Vs Trans

T901: Va Trans

T112: Low Voltage Trans

T501: ST-BY Trans

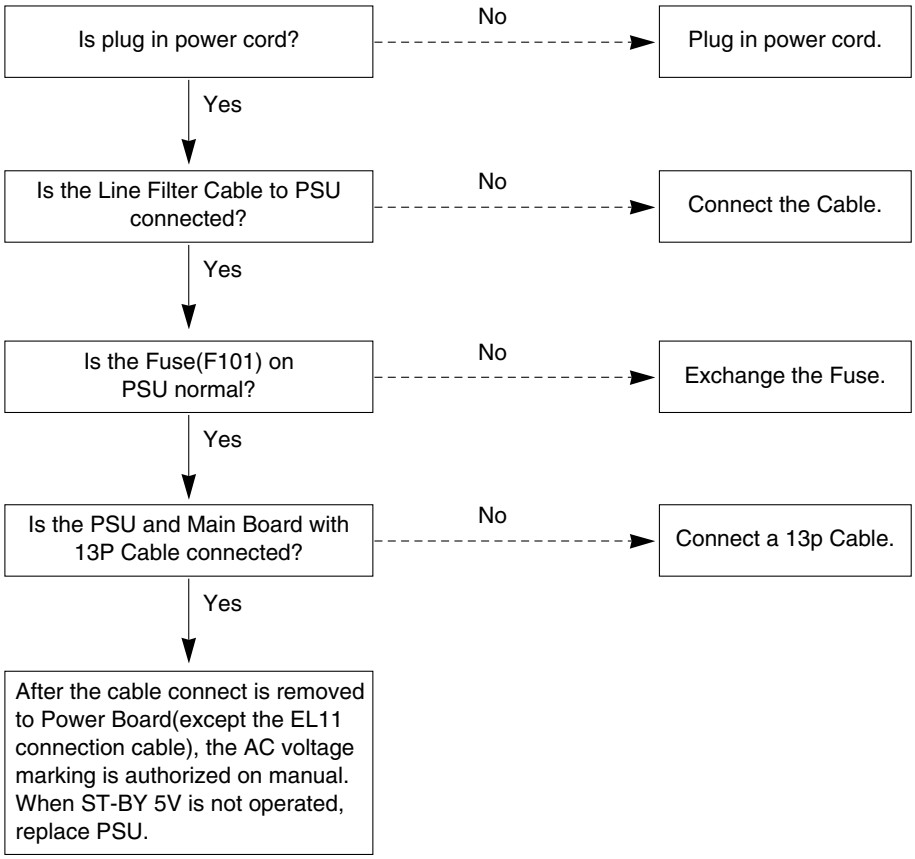
T601: PFC Inductor

2. No Power

(1) Symptom

1) Front LED is NO light.
2) The Set doesn't discharge little.

(2) Check following

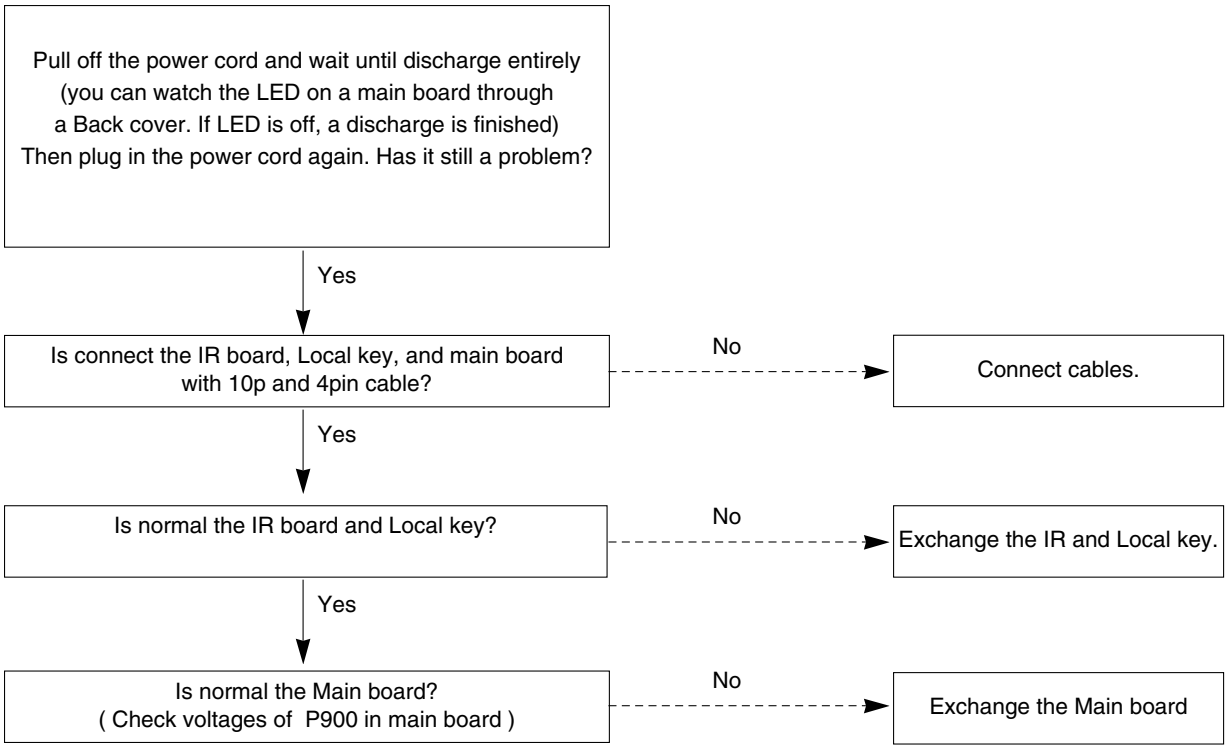

Is plug in power cord?
No
Plug in power cord.
Yes
Is the Line Filter Cable to PSU connected?
No
Connect the Cable.
Yes
Is the Fuse(F101) on PSU normal?
No
Exchange the Fuse.
Yes
Is the PSU and Main Board with 13P Cable connected?
No
Connect a 13p Cable.
Yes
After the cable connect is removed to Power Board(except the EL11 connection cable), the AC voltage marking is authorized on manual. When ST-BY 5V is not operated, replace PSU.

3. Cannot Power on

(1) Symptom

1) Front LED is Red, but doesn't cahge Green.
   (Cannot turn on the SET)
2) Don't operate power on using a Remocon or Local key.

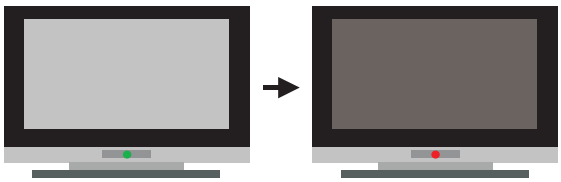
(2) Check following


Pull off the power cord and wait until discharge entirely
(you can watch the LED on a main board through
a Back cover. If LED is off, a discharge is finished)
Then plug in the power cord again. Has it still a problem?
Yes
Is connect the IR board, Local key, and main board
with 10p and 4pin cable?
No
Connect cables.
Yes
Is normal the IR board and Local key?
No
Exchange the IR and Local key.
Yes
Is normal the Main board?
(Check voltages of P900 in main board)
No
Exchange the Main board

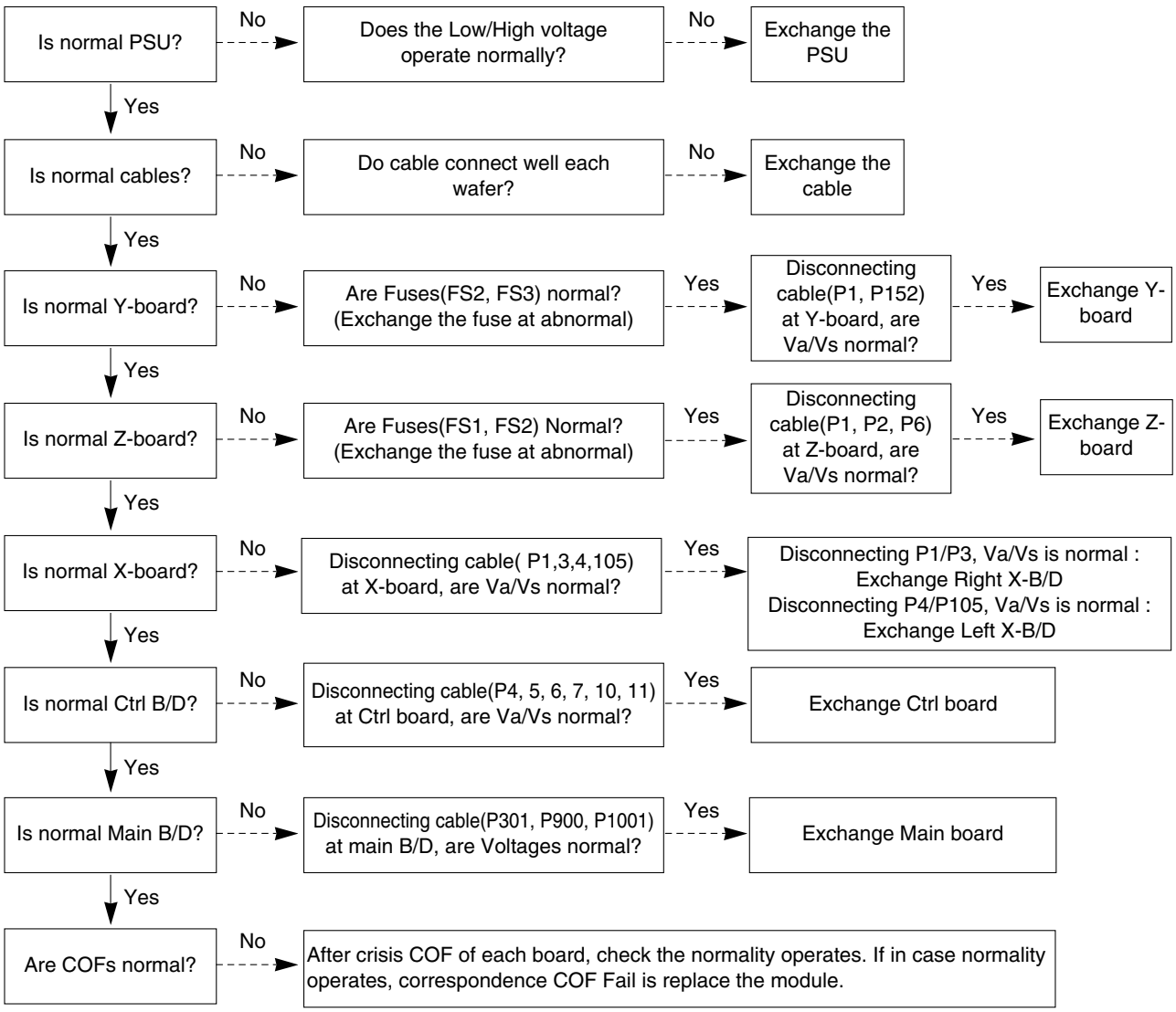
4. Protect Mode

(1) Symptom

1) After once shining, it does not discharge minutely from module.
2) The Rely falls down.(The sound is audible “click”)
3) The front LED turn Green to Red.



(2) Check following

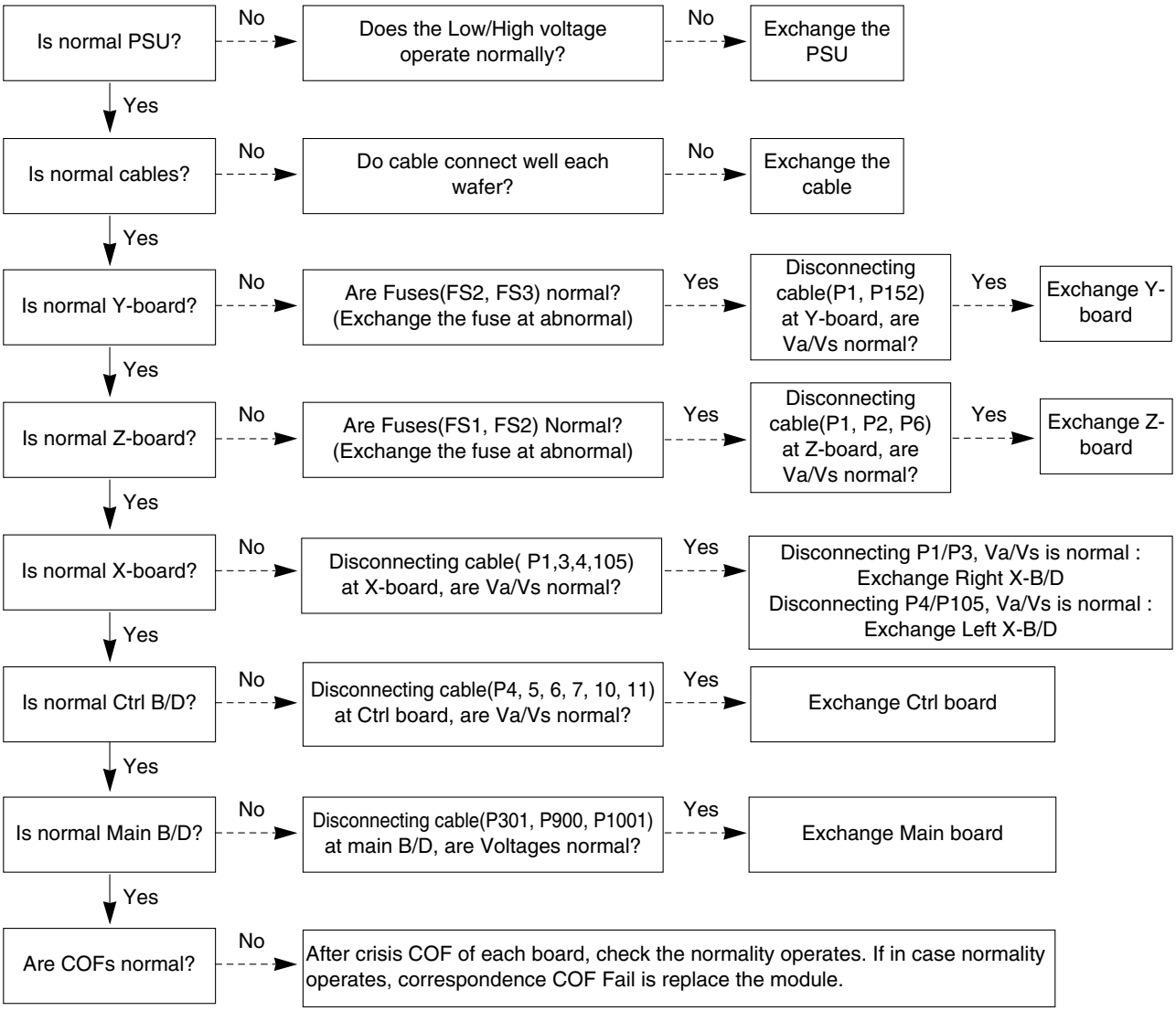


5. No Raster

(1) Symptom

1) Front LED is Green.
2) The Set doesn't discharge a little.

(2) Check following



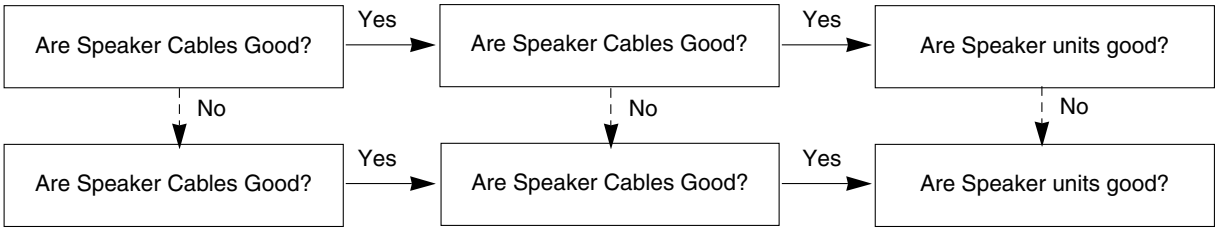
6. No Sound

(1) Symptom

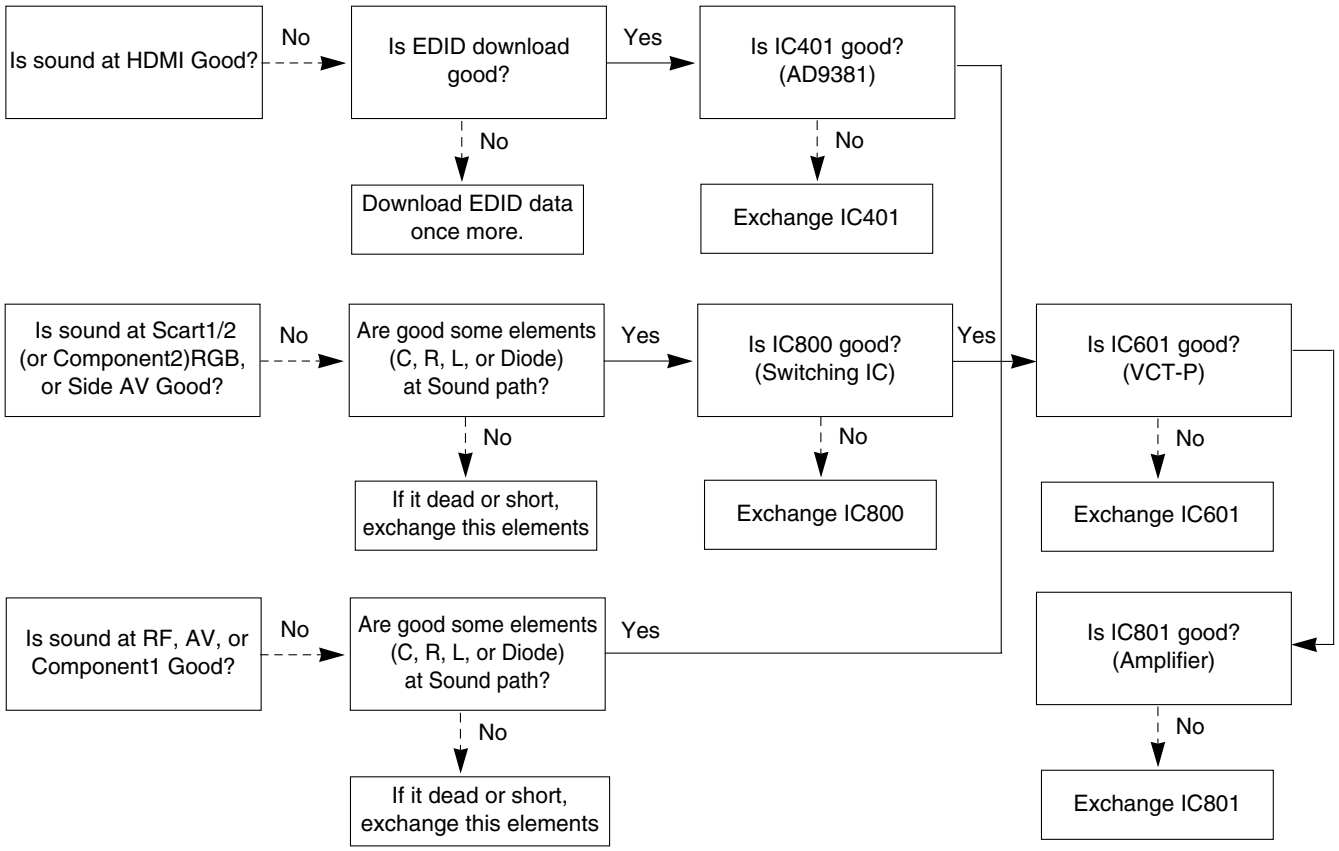
1) Front LED is Green.
2) The Set display a screen, but a sound doesn't output.

(2) Check following

1) Speaker part



2) Main board part



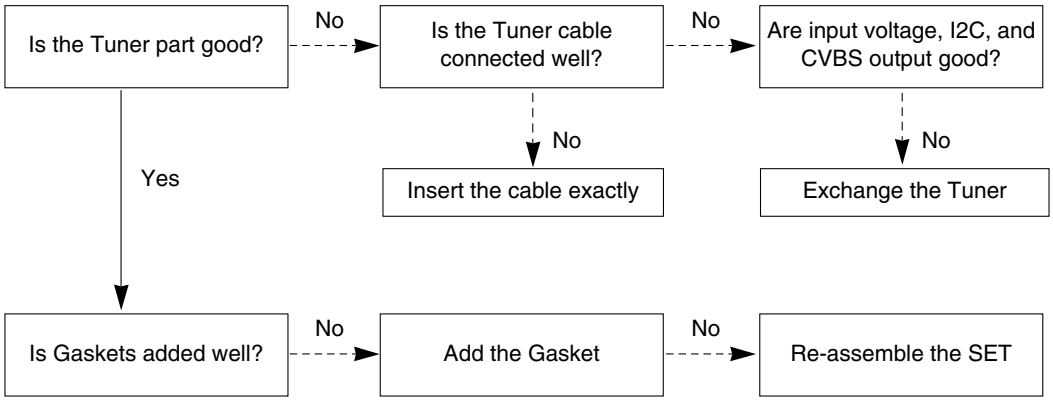
7. Display the screen abnormally

(1) Symptom

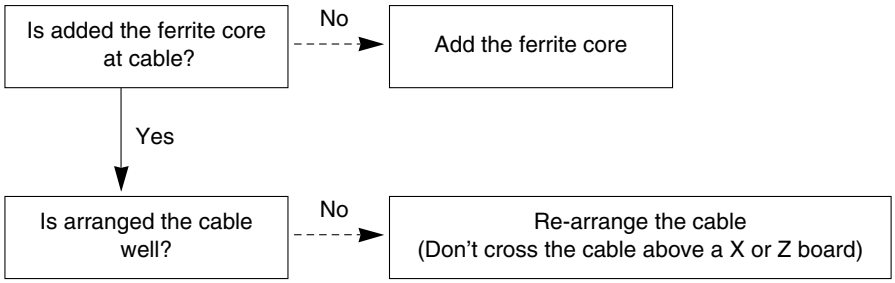
1) Display the screen abnormally at specific mode.

(2) Check following

1) Noise appears at RF mode.



2) Noise appears at Side AV.


Is added the ferrite core at cable?
No
Add the ferrite core
Yes
Is arranged the cable well?
No
Re-arrange the cable
(Don't cross the cable above a X or Z board)

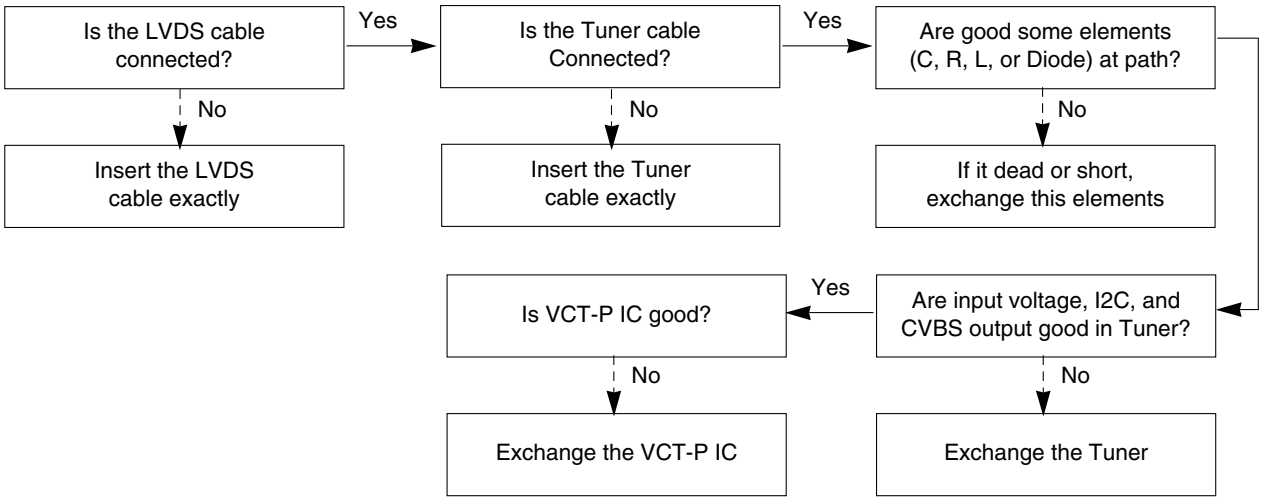
8. No Picture

(1) Symptom

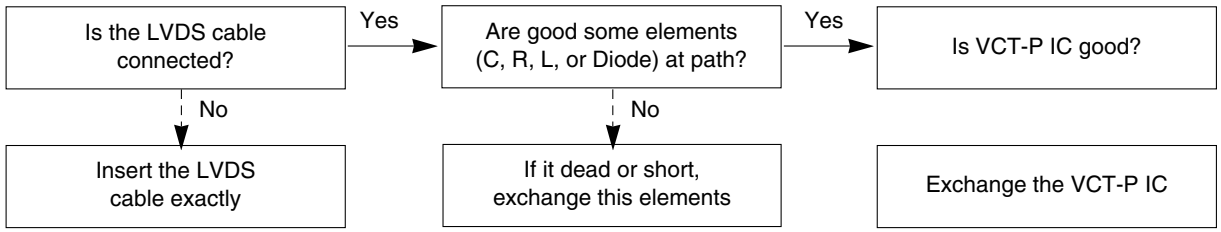
1) Some mode doesn't display.
2) Front LED is green.
3) The set still discharge a little.

(2) Check following

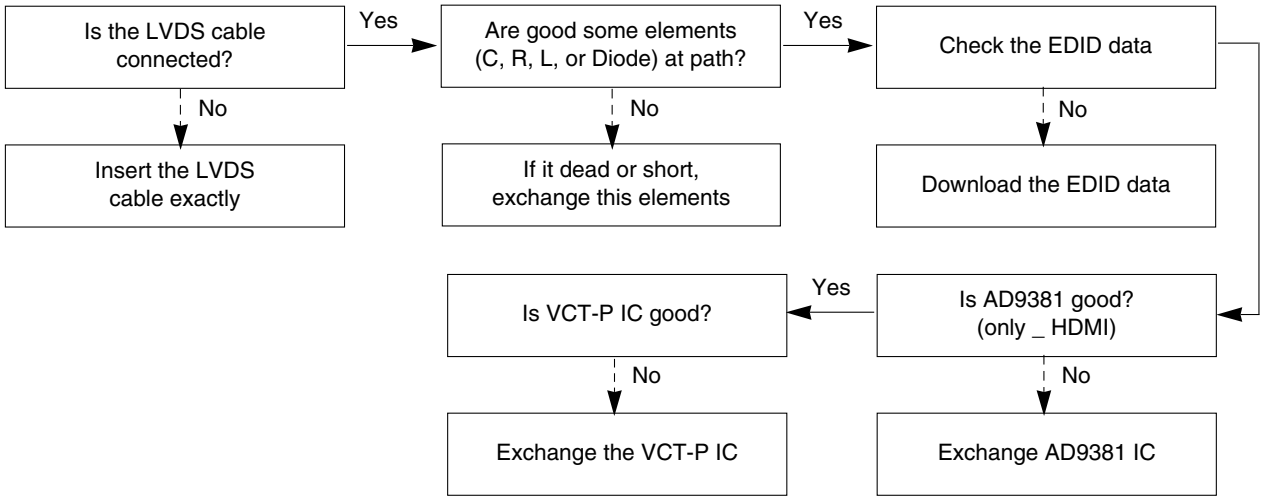
1) RF-mode doesn't display



2) AV/Component-mode doesn't display.

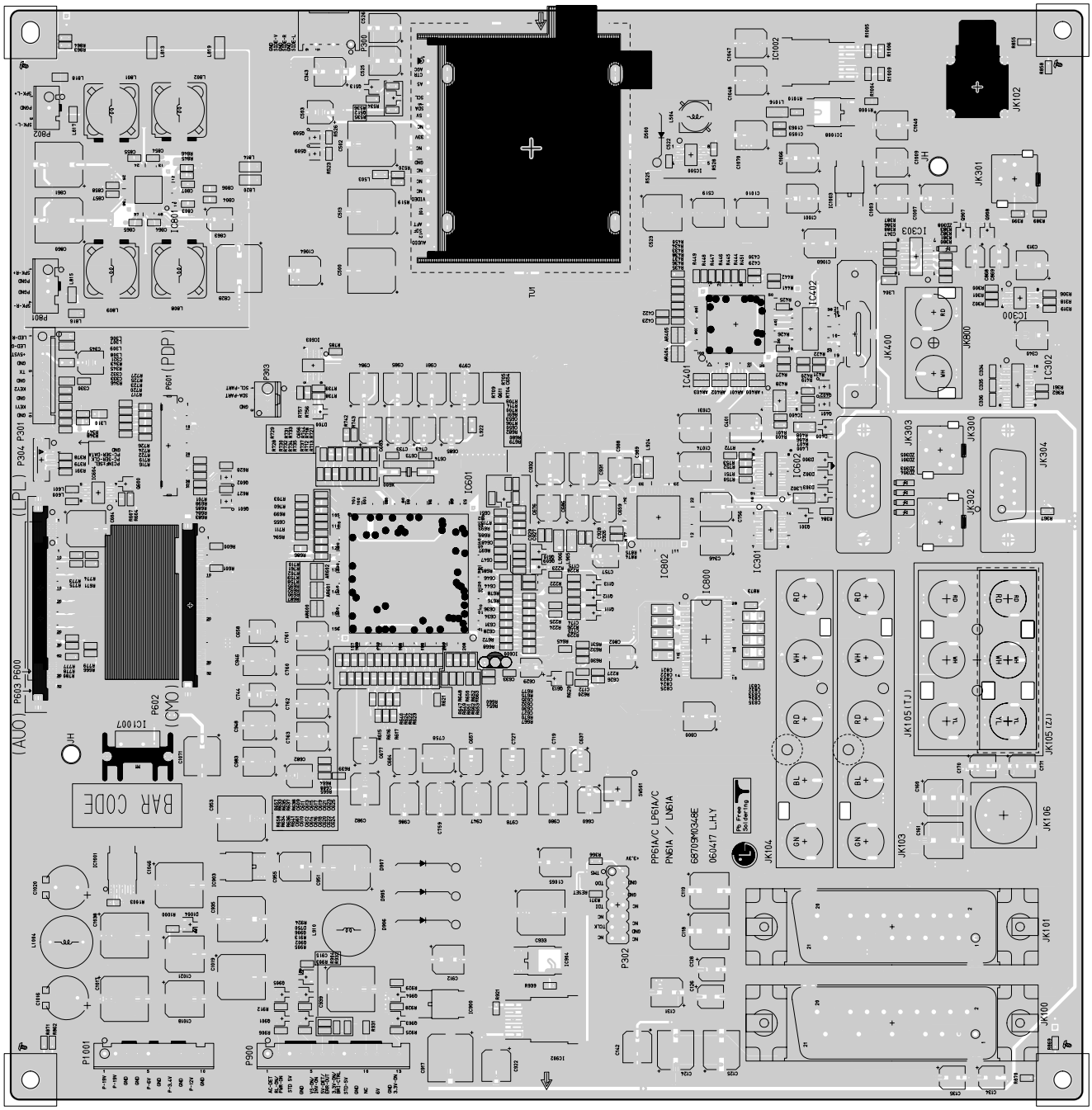

Is the LVDS cable connected?
Yes
Are good some elements (C, R, L, or Diode) at path?
Yes
Is VCT-P IC good?
No
No
Insert the LVDS cable exactly
If it dead or short, exchange this elements
Exchange the VCT-P IC

3) RGB/HDMI-mode doesn't display.

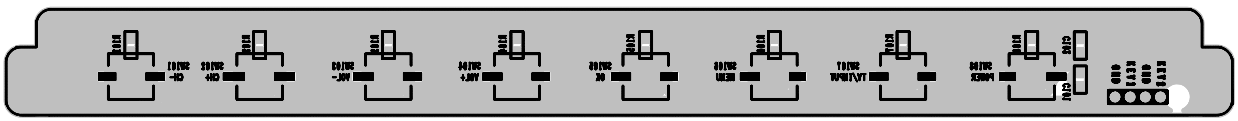


PRINTED CIRCUIT BOARD

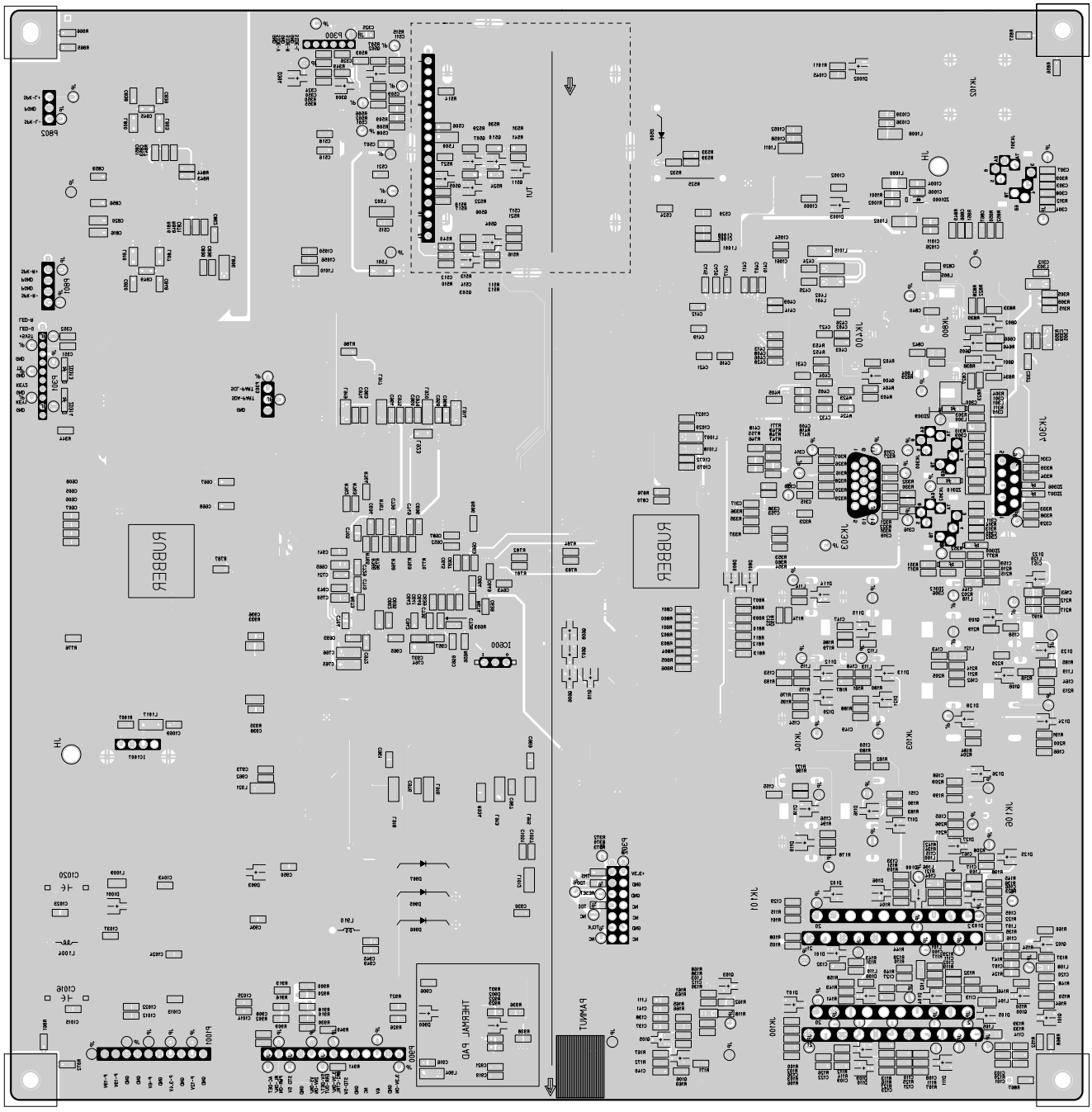
MAIN(TOP)



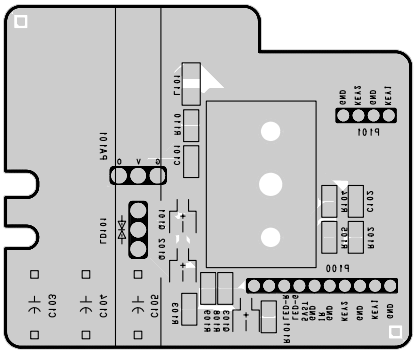
CONTROL



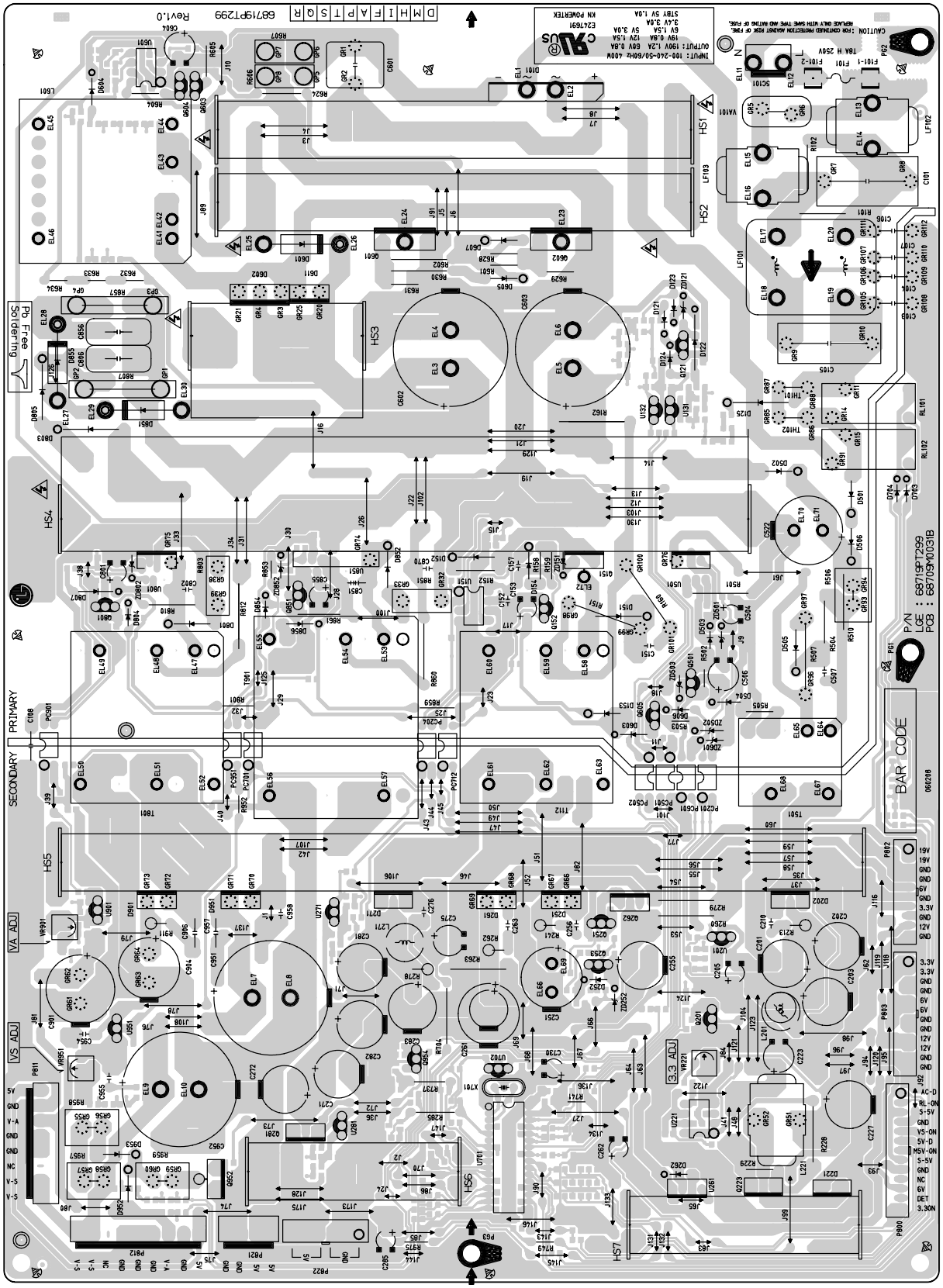
MAIN(BOTTOM)



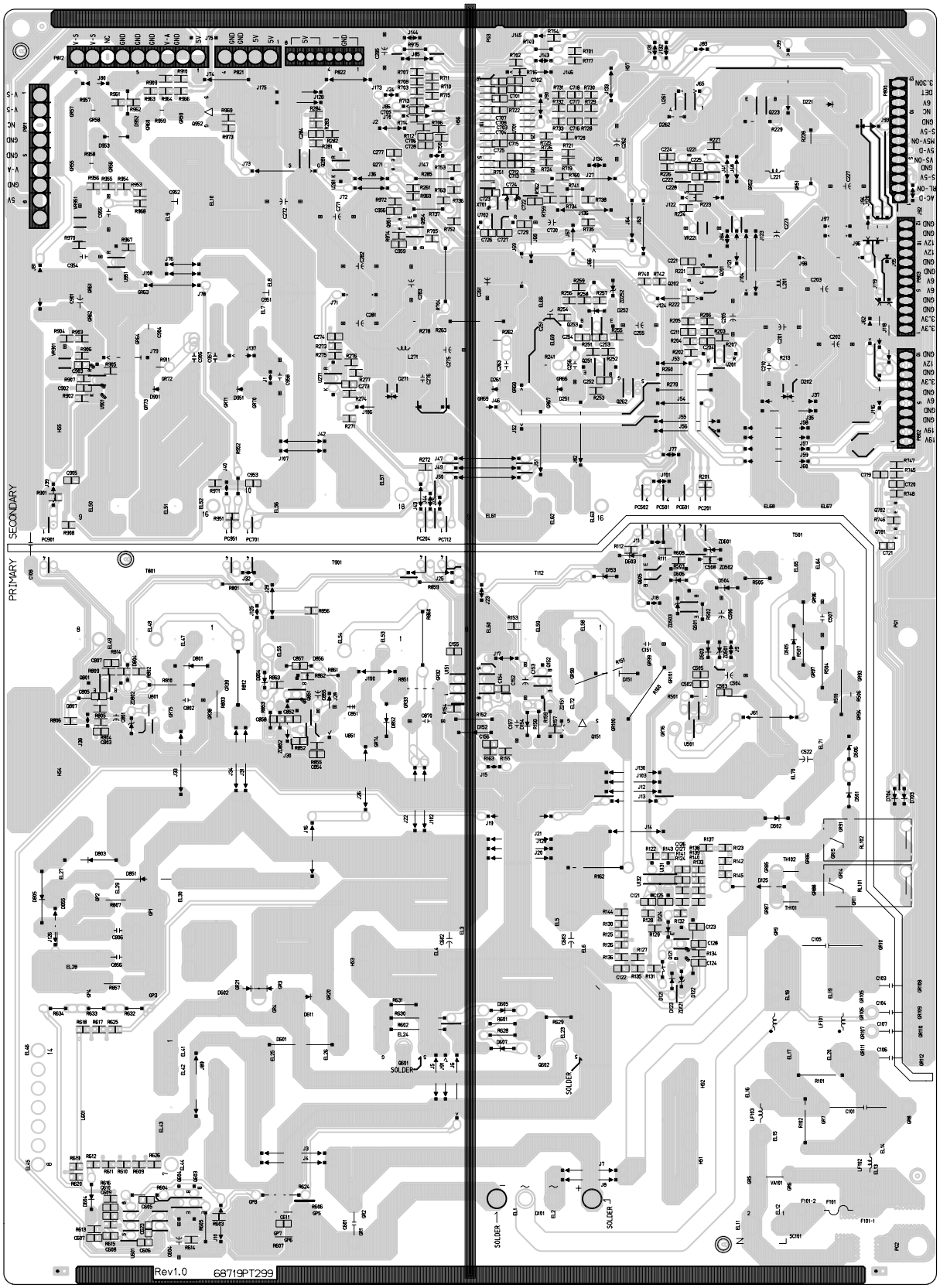
PRE-AMP



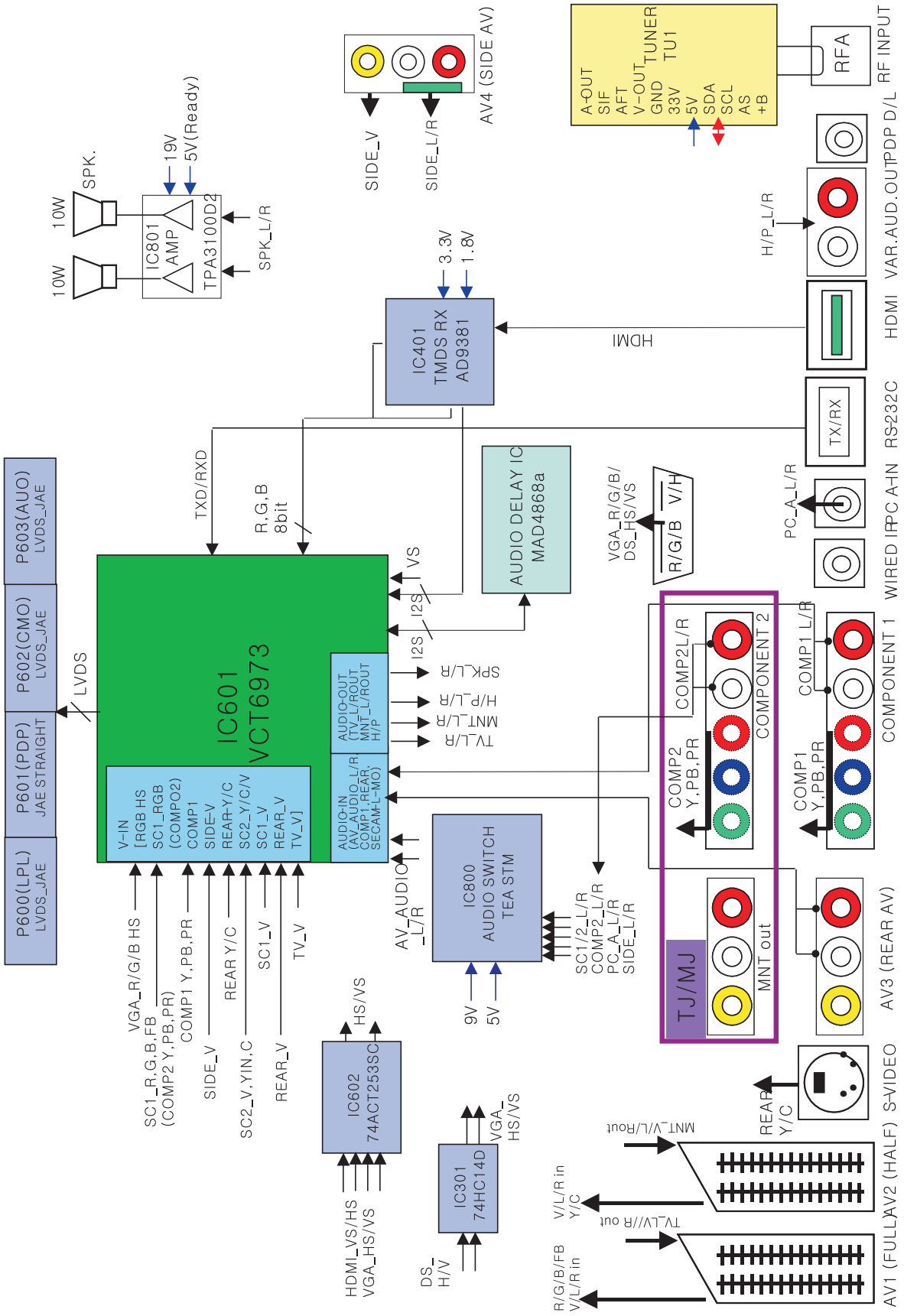
POWER (TOP)



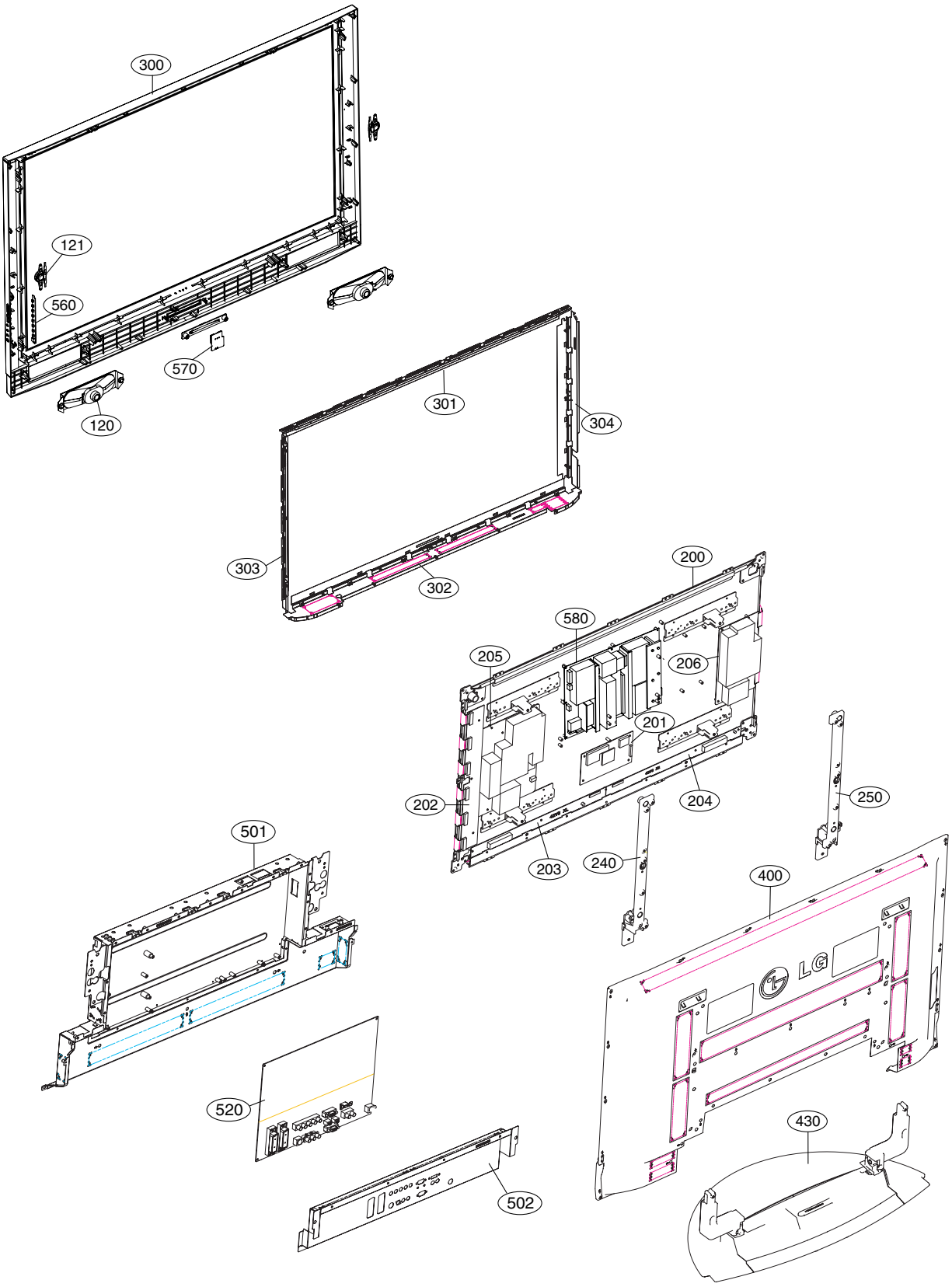
POWER (BOTTOM)



BLOCK DIAGRAM



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

The components identified by mark ⚠ is critical for safety.
Replace only with part number specified.

No.	Part No.	Descriptions
120	EAB30829201	Speaker, Woofer g1560102 ND 15W 8OHM 82DB 100HZ 193 X 57 X 50 LUG
121	EAB30826001	Speaker, Tweeter D013d03k1400 ND 15W 8OHM 85DB 0HZ 88 X 38.3 X 10 LUG
⚠ 200	6348Q-E139N	PDP, Module-XGA PDP42X30401.AKLGG XGA 42INCH 1024X768 16/9
	6348Q-E139R	PDP Module, 42” 1024*768 PDP42X30401.ADLGB
⚠ 201	6871QCH077B	PCB Assembly, Display CTRL ASSY HAND INSERT 42”HD FOR 42X3 IMPROVE EMI
⚠ 202	6871QDH117A	PCB Assembly, Display YDRV ASSY HAND INSERT 42”HD 42X3 YDRV HAND INSERT
⚠ 203	6871QLH059A	PCB Assembly, Display XRLT ASSY HAND INSERT 42”HD 42X3 XRLT ASSY HAND
⚠ 204	6871QRH068A	PCB Assembly, Display XRRT ASSY HAND INSERT 42”HD 42X3 XRRT ASSY
⚠ 205	6871QYH053B	PCB Assembly, Display YSUS ASSY HAND INSERT 42”HD 42X3 VER.B
⚠ 206	6871QZH056B	PCB Assembly,Display ZSUS ASSY HAND INSERT 42”HD 42X3 VER.B
240	4980900109A	Supporter, COMPLEX ASSY AL 42PC1R-TA, VERTICAL RIGHT
	4980900366C	Supporter, CASTING ALDC NON AL NON
250	4980900109B	Supporter, COMPLEX ASSY AL 42PC1R-TA, VERTICAL LEFT
	4980900366D	Supporter, CASTING ALDC NON AL NON
⚠ 300	30919E0025C	Cover Assembly, 42PC3RV-ZH BRAND 30909E0002A LG
	30919E0076A	Cover Assembly, 42PC3RV-ZJ BRAND 30909E0043 LGEMA,PAN
301	4980900113A	Supporter, COMPLEX ASSY AL FILTER TOP 42PC1R-TA
	4980900367A	Supporter, ASSY AL FILTER TOP,42PC1,LGEMA
302	4980900114A	Supporter, COMPLEX ASSY AL FILTER BOTTOM 42PC1R-TA
	4980900368A	Supporter, ASSY AL FILTER BOTT, 42PC1,LGEMA
303	4980900115A	Supporter, COMPLEX ASSY AL FILTER RIGHT 42PC1R-TA
	4980900369A	Supporter, ASSY AL ASSY AL FILTER RIGHT, 42PC1,LGEMA
304	4980900116A	Supporter, COMPLEX ASSY AL FILTER LEFT 42PC1-TA
	4980900370A	Supporter, ASSY AL ASSY AL FILTER LEFT, 42PC1,LGEMA
⚠ 400	3809900103C	Cover Assembly, 42PC3R NON ANALOG
	MCK30275903	Cover, PRESS PCM 0.4 42PC3R-ZH AL
⚠ 430	3501900014A	Base Assembly, D/T SPK STAND AP-42DC11 MF056A FOLDING STAND
	3501900014E	Base Assembly, D/T SPK STAND AP-42DC11 MF056A FOLDING STAND SKD PHATOM
501	3301900095D	Plate Assembly, AV 42PC VCTP
	AGU30208002	Plate Assembly, ASSY AV
502	3301900094B	Plate Assembly, ASSY PDP PC SERIES COMMON
	AGU30208402	Plate Assembly, ASSY PLATE COVER ANALOG
520	68719MMX58A	PCB Assembly, MAIN1 M.I PP61A 42PC3R ZJ SKD
	68719MMX58B	PCB Assembly, Main MAIN1 M.I PP61A 42PC3RA-ZJ M.I LGEMA CKD
560	68719SMJ63A	PCB Assembly, Sub SUB M.I PP61A 42PC3RV Z LOCAL SKD
	68719SMJ63C	PCB Assembly, Sub SUB M.I PP61A 42PC3RV ZJ/TJ/MJ LOCAL
	68719SMM24A	PCB Assembly, SUB M.I PP61A 42PC1RV ZJ CKD LOCAL KEY
570	68719SMJ64B	PCB Assembly, SUB M.I PD61A 42PC3RV Z PREAMP ONLY 30TOOL SKD
	68719SMJ64E	PCB Assembly, Sub SUB M.I PP61A 42PC3RV-ZJ KWZLLBZ PREAMP+LED EMS
	68719SMM25B	PCB Assembly, SUB M.I PP61A 42PC3RV Z CKD PREAMP
⚠ 580	6709900019A	Power Supply Assembly, 42INCH UNIFICATION PSU PDP LGIT PA61B 400W 42PB2D
	68719PT299A	PCB Assembly, Power POWER T.T PA61A 42INCH PDP UNIFICATION PSU ALL GUMI

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
IC		
IC303	0ISTL00031A	MC74HC4066ADR2G MC74HC4066ADR2G
U701	0IZZ9H9009A	0IMCR02273A 0IMCR02273A PHILIPS DIP
IC801	0IPRP00700A	TPA3100D2PHPR 10TO26V . 20W 4.2W
IC800	0IPRP00665A	TEA6420D 8TO10.2V 8mA SO R/TP 28P
IC602	0IFA742530B	74ACT253SC 4.5TO5.5V 0.004mA
IC802	0IPRP00743A	MAD4868A 3TO5.25V PQFP TR 44P
U221	0IPMG78442A	NJM2374AD 2.5TO40V 40V 875MW
IC300	0ICS240213A	CAT24WC02J-TE13 2KBIT 256X8BIT
IC400	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 256x8BIT
IC603	0IMMRAL025A	AT24C32AN-10SI-2.7 32KBIT 4096X8BIT
IC1001	0IPMGKE030A	KIA78R05F 6TO12V 5V 8W DPAK
IC1008	0IPMGSG018D	LD1086DT18TR-LF 30V 1.8V DPAK
IC900	0IMCRRH001A	BA033FP-E2 4.3TO25V 3.3V 1W TO252
IC903	0IMCRRH001A	BA033FP-E2 4.3TO25V 3.3V 1W TO252
U261	0IMCRKE014A	KIA278R12PI 13TO29V 12V 1.5W TO220IS
U701	0IMCR02273A	S3F9498 3TO5.5V 8MHZ 2BYTE
IC601	0IPRP00689A	VCT6973G-FA-B2-000 0.3TO9.0 0A
U151	0IPMGFA073A	KA7552A 10TO30V 16.5V 800MW DIP
U601	0IPMG78441A	ICE1PCS020.3TO22V DIP ST 8P
U801	0IPMG78439A	MR4040 11TO18V 10W TO-220F
U851	0IPMG78440A	MR5060 16V 20W TO-220F ST 7P
IC401	0IPRP00701A	AD9381KSTZ 3.15TO3.47,1.7TO1.9
IC302	0IPRP00009A	ICL3232CBNZ 3.0TO5.5 SSOP R/TP 16P
U501	0IPMG78398A	STR-W6251 SANKEN 6PIN,TO-220F-6L
IC600	0IFA752700A	KA75270Z 2.55TO2.85V 200MW
IC1003	0IMCRFA010A	KA7809R 11.5TO24V 9V 150W DPAK
U131	0IKE431000B	KIA431 36V 36V 700MW TO92 TP 3P
U132	0IKE431000B	KIA431 36V 36V 700MW TO92 TP 3P
U201	0IKE431000B	KIA431 36V 36V 700MW TO92 TP 3P
U271	0IKE431000B	KIA431 36V 36V 700MW TO92 TP 3P
U281	0IKE431000B	KIA431 36V 36V 700MW TO92 TP 3P
U901	0IKE431000B	KIA431 36V 36V 700MW TO92 TP 3P
U951	0IKE431000B	KIA431 36V 36V 700MW TO92 TP 3P
TRANSISTOR & FET		
Q151	0TFST10002A	FET, STP6NK90ZFP(FORMING) N-CHANNEL
Q201	0TFTH50001A	FET, 2SK2961 N-CHANNEL MOSFET 60V
Q262	0TFFC10028A	FET, FQPF27P06 P-CHANNEL MOSFET 60V
Q281	0TFFC10027A	FET, FQPF13N06L N-CHANNEL MOSFET 60V
Q401	0TR830009BA	FET, BSS83 N-CHANNEL MOSFET 10V 50MA
Q402	0TR830009BA	FET, BSS83 N-CHANNEL MOSFET 10V 50MA
Q508	0TR830009BA	FET, BSS83 N-CHANNEL MOSFET 10V 50MA
Q509	0TR830009BA	FET, BSS83 N-CHANNEL MOSFET 10V 50MA
Q601	0TFFC10026A	FET, FCA20N60S N-CHANNEL MOSFET 600V
Q602	0TFFC10026A	FET, FCA20N60S N-CHANNEL MOSFET 600V
Q952	0TFFC10020A	FET, FQPF16N25C N-CHANNEL MOSFET 250V
Q100	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q101	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q101	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q102	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q102	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA

LOCA. NO	PART NO	DESCRIPTION
Q103	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q103	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q105	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q106	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q110	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q111	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q112	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q113	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q121	0TR319809AA	KTC3198(KTC1815) NPN 5V 60V 50V 150MA
Q152	0TR103009AD	KRC103M NPN 40V 50V 100MA 500NA
Q202	0TR150400BA	2SA1504S(ASY) PNP 5V 50V 50V
Q223	0TRSK10001A	2SA1568 PNP 6V 60V 60V 12A 0.0001A
Q251	0TR126609AA	KTA1266-Y(KTA1015) PNP 5V 50V 50V
Q253	0TR320000AB	KTC3200-BL (KTC2240) BK KEC
Q271	0TR103009AG	KRC103S NPN 40V 50V 100MA 500NA
Q301	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q400	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q501	0TRKE50004A	KTC3209 NPN 5V 50V 50V 2A 100NA
Q502	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q503	0TR150400BA	2SA1504S(ASY) PNP 5V 50V 50V
Q504	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q505	0TR150400BA	2SA1504S(ASY) PNP 5V 50V 50V
Q506	0TR150400BA	2SA1504S(ASY) PNP 5V 50V 50V
Q507	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q510	0TR150400BA	2SA1504S(ASY) PNP 5V 50V 50V
Q511	0TR150400BA	2SA1504S(ASY) PNP 5V 50V 50V
Q512	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q513	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q603	0TRRH80083A	2SC5826TV2Q NPN 6V 60V 60V 3A
Q604	0TRRH80082A	2SA2073TV2Q PNP 4V 60V 40V
Q605	0TR102009AM	KRA102S PNP 30V50V 0.1A 0.0000005A
Q605	0TRKE50004A	KTC3209 NPN 5V 50V 50V 2A 100NA
Q606	0TR150400BA	2SA1504S(ASY) PNP 5V 50V 50V
Q607	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q608	0TR150400BA	2SA1504S(ASY) PNP 5V 50V 50V
Q611	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q613	0TR150400BA	2SA1504S(ASY) PNP 5V 50V 50V
Q701	0TRRH80052A	2SD2114K NPN 12V 25V 20V 500MA
Q702	0TRRH80052A	2SD2114K NPN 12V 25V 20V 500MA
Q801	0TR319809AA	KTC3198(KTC1815) NPN 5V 60V 50V 150MA
Q801	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q802	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q851	0TR319809AA	KTC3198(KTC1815) NPN 5V 60V 50V 150MA
Q901	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q902	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q903	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q904	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q905	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q906	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q907	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q908	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA
Q951	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyestor CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
DIODE		
D400	0DD184009AA	KDS184 KDS184 TP KEC 85V 300MA
D800	0DD184009AA	KDS184 KDS184 TP KEC 85V 300MA
D801	0DD184009AA	KDS184 KDS184 TP KEC 85V 300MA
D101	0DRSD00241A	D15XB60-7000 600V 1.1V 10UA 200A
D125	0DRFJ00115A	ERA15-06 600V 1.1V 10A 40A
D151	0DRSA00119A	SARS01 800V 1.2V 10UA 110A 18USEC
D152	0DRFJ00135A	ERA38-06 600V 2.5V 50UA 10A 50NSEC
D202	0DR306000AA	SF30SC6 60V 630MV 10MA 250A TO3PF ST 3P 1
D251	0DRSA00251A	FMX-G12S 200V 980MV 100UA 65A
D261	0DRSA00251A	FMX-G12S 200V 980MV 100UA 65A
D271	0DR306000AA	SF30SC6 60V 630MV 10MA 250A TO3PF ST 3P 1
D501	0DRFJ00125A	ERA15-10 1KV 1.1V 10UA 40A
D502	0DRFJ00115A	ERA15-06 600V 1.1V 10A 40A
D503	0DRFJ00135A	ERA38-06 600V 2.5V 50UA 10A 50NSEC
D504	0DRFJ00135A	ERA38-06 600V 2.5V 50UA 10A 50NSEC
D505	0DRSA00119A	SARS01 800V 1.2V 10UA 110A 18USEC
D506	0DRFJ00125A	ERA15-10 1KV 1.1V 10UA 40A
D601	0DRNH00160A	30PDA60 600V 1V 10UA 100A DO201AD BK 2P 1
D602	0DRSD00281A	SF10L60U 600V 3V 25UA 120A 10NSEC
D603	0DRFJ00115A	ERA15-06 600V 1.1V 10A 40A
D605	0DD400509BB	UF4005(52MM) 600V 1.7V 10UA 30A 75NSEC
D607	0DD400509BB	UF4005(52MM) 600V 1.7V 10UA 30A 75NSEC
D611	0DRSD00281A	SF10L60U 600V 3V 25UA 120A 10NSEC
D801	0DD100009AY	RG1C 1KV 3.3V 20UA 10A 100NSEC
D803	0DD400709CC	UF4007-1021 1KV 1.7V 10UA 30A 75NSEC
D805	0DD400709CC	UF4007-1021 1KV 1.7V 10UA 30A 75NSEC
D807	0DRFJ00115A	ERA15-06 600V 1.1V 10A 40A
D851	0DRFC00345A	1N5408 1KV 1.2V 5UA 200A DO201AD TP 2P 1
D852	0DD100009AY	RG1C 1KV 3.3V 20UA 10A 100NSEC
D855	0DRFC00345A	1N5408 1KV 1.2V 5UA 200A DO201AD TP 2P 1
D856	0DRFJ00115A	ERA15-06 600V 1.1V 10A 40A
D901	0DRNH00151A	FSF10A60 600V 1.8V 30UA 120A 50NSEC
D905	0DD200009AF	RU2M 400V 1.2V 10UA 20A 400NSEC
D906	0DD200009AF	RU2M 400V 1.2V 10UA 20A 400NSEC
D907	0DD200009AF	RU2M 400V 1.2V 10UA 20A 400NSEC
D951	0DRSA00081A	FMC-G28SL 800V 3V 200UA 60A 70NSEC
D952	0DRFJ00115A	ERA15-06 600V 1.1V 10A 40A
D953	0DRFJ00115A	ERA15-06 600V 1.1V 10A 40A
D154	0DD140009AA	EK14 550MV 40V 1.5A
D221	0DRSA00020A	FMB-G24H 550MV 40V 10A TO220 ST 2P 1
D1001	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D1003	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D101	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D102	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D106	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D107	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D108	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D109	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D110	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D111	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC

LOCA. NO	PART NO	DESCRIPTION
D116	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D121	0DS113379BA	1SS133 1.2V 90V 400MA 600MA 4NSEC
D121	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D122	0DS113379BA	1SS133 1.2V 90V 400MA 600MA 4NSEC
D123	0DS113379BA	1SS133 1.2V 90V 400MA 600MA 4NSEC
D124	0DS113379BA	1SS133 1.2V 90V 400MA 600MA 4NSEC
D124	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D125	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D126	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D127	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D252	0DS113379BA	1SS133 1.2V 90V 400MA 600MA 4NSEC
D262	0DS113379BA	1SS133 1.2V 90V 400MA 600MA 4NSEC
D300	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D302	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D303	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D604	0DS113379BA	1SS133 1.2V 90V 400MA 600MA 4NSEC
D606	0DS113379BA	1SS133 1.2V 90V 400MA 600MA 4NSEC
D703	0DS113379BA	1SS133 1.2V 90V 400MA 600MA 4NSEC
D704	0DS113379BA	1SS133 1.2V 90V 400MA 600MA 4NSEC
D804	0DS141489AB	1N4148 1V 100V 150MA 500MA 4NSEC
D854	0DS141489AB	1N4148 1V 100V 150MA 500MA 4NSEC
D900	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D902	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D903	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
ZD301	0DR050008AA	SD05.TC 6V 14.5V 24A 350W SOD323
ZD303	0DR050008AA	SD05.TC 6V 14.5V 24A 350W SOD323
ZD304	0DR050008AA	SD05.TC 6V 14.5V 24A 350W SOD323
ZD305	0DR050008AA	SD05.TC 6V 14.5V 24A 350W SOD323
ZD308	0DR050008AA	SD05.TC 6V 14.5V 24A 350W SOD323
ZD312	0DR050008AA	SD05.TC 6V 14.5V 24A 350W SOD323
ZD1000	0DZKE00048A	KDZ8.2V 8.2V 7.7TO8.7V 20OHM 200MW
ZD121	0DZ110009AD	MTZJ11B 11V 10.5TO11.05V 20OHM
ZD151	0DZ200009AD	MTZJ20B 20V 18.63TO19.59V 30OHM
ZD252	0DZ680009BB	MTZJ6.8B 6.8V 6.49TO6.83V 20OHM
ZD501	0DZ110009AD	MTZJ11B 11V 10.5TO11.05V 20OHM
ZD502	0DZ200009AF	MTZJ22B 22V 20.64TO21.71V 30OHM
ZD503	0DZ200009AD	MTZJ20B 20V 18.63TO19.59V 30OHM
ZD601	0DZ200009AD	MTZJ20B 20V 18.63TO19.59V 30OHM
ZD802	0DZ150009AD	MTZJ15B 15V 13.89TO14.62V 25OHM
ZD852	0DZ150009AD	MTZJ15B 15V 13.89TO14.62V 25OHM
CAPACITOR		
C1000	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1001	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1002	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1003	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1004	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1006	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C1007	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1009	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C101	0CZZVSB015A	PCX2 337 11105 1uF 10% 275V
C1011	0CK103CK56A	0603B103K500CT 10nF 10% 50V

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyestor CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C1012	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1013	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1014	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1015	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1016	0CE477EJ618	KMG5.0TP35VB470M 470uF 20% 35V
C1017	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C1018	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V
C1019	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C1020	0CE477EJ618	KMG5.0TP35VB470M 470uF 20% 35V
C1021	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V
C1022	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1023	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1024	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1025	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1026	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C1027	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1029	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C103	0CE4763F618	ESF476M016T1A5E05G 47uF 20% 16V
C103	0CKZTBU004E	DE2E3KX102MA5A 1nF 20% 250V
C1031	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1036	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1037	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1038	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C1039	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C104	0CE4763F618	ESF476M016T1A5E05G 47uF 20% 16V
C104	0CKZTBU004E	DE2E3KX102MA5A 1nF 20% 250V
C1040	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C1043	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1045	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1046	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C1047	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1048	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C105	0CE4763F618	ESF476M016T1A5E05G 47uF 20% 16V
C105	0CBZTBU002B	PCX2 335 91645 0.47uF 20% 275V
C1050	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1051	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1052	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1054	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1056	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C1057	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C1058	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C1059	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1061	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C1063	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C1064	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1065	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1066	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1068	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1070	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C1072	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C1073	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C1074	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V

LOCA. NO	PART NO	DESCRIPTION
C111	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C112	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V
C113	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C114	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V
C115	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C116	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V
C117	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C118	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V
C119	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V
C120	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V
C121	0CK224DK56A	CS2012X7R224K500NR 220nF 10% 50V
C122	0CK224DK56A	CS2012X7R224K500NR 220nF 10% 50V
C123	0CK224DK56A	CS2012X7R224K500NR 220nF 10% 50V
C124	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V
C124	0CK334DK56A	330nF 10% 50V
C125	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V
C125	0CK224DK56A	CS2012X7R224K500NR 220nF 10% 50V
C126	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V
C126	0CK473DK56A	C2012X7R1H473KT 47nF 10% 50V
C127	0CK334DK56A	330nF 10% 50V
C128	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V
C131	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C134	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V
C135	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V
C137	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C138	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C141	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C142	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C151	0CF1021Y45A	PUX63Y102JCFS03 1nF 5% 630V
C152	181-288X	PCMT 365 76684 680nF 5% 63V
C153	0CE2262K638	WL1H226M05011PA 22uF 20% 50V
C155	0CK333DK56A	C2012X7R1H333KT 33nF 10% 50V
C156	0CK222DK56A	CS2012X7R222K500NR 2.2nF 10% 50V
C157	181-288N	PCMT 365 86103 10nF 5% 100V
C163	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C164	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C172	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C173	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C174	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C175	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C201	0CZZTAB003D	NXB10VB3300M 3300uF 20% 10V
C202	0CZZTAB003D	NXB10VB3300M 3300uF 20% 10V
C203	0CZZTAB003D	NXB10VB3300M 3300uF 20% 10V
C204	0CK474DK56A	UMK212BJ474KG-T 470nF 10% 50V
C205	0CE1072D638	WL1A107M05011PA 100uF 20% 10V
C210	181-091R	LRYM7102KHA 1nF 10% 1000V
C223	0CE1072K638	WL1H107M0811MPG 100uF 20% 50V
C224	0CK222DK56A	CS2012X7R222K500NR 2.2nF 10% 50V
C227	0CZZTAB003D	NXB10VB3300M 3300uF 20% 10V
C251	0CZZTAB003Q	WB1J687M16025BB 680uF 20% 63V
C252	0CK222DK56A	CS2012X7R222K500NR 2.2nF 10% 50V
C255	0CZZTAB003T	WB1H107M0811MPG 100uF 20% 50V

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C256	181-091R	LRYM7102KHA 1nF 10% 1000V
C261	0CZZTAB003R	WB1H687M12025PL 680uF 20% 50V
C262	0CE1072H638	WL1E107M6L011PA 100uF 20% 25V
C263	181-091R	LRYM7102KHA 1nF 10% 1000V
C271	0CZZTAB003D	NXB10VB3300M 3300uF 20% 10V
C272	0CZZTAB003D	NXB10VB3300M 3300uF 20% 10V
C275	0CZZTAB003M	NXB/WB SYE / SWE 10V 1000UF
C276	181-091R	LRYM7102KHA 1nF 10% 1000V
C281	0CZZTAB003D	NXB10VB3300M 3300uF 20% 10V
C282	0CZZTAB003D	NXB10VB3300M 3300uF 20% 10V
C283	0CZZTAB003D	NXB10VB3300M 3300uF 20% 10V
C285	0CZZTAB003P	WB1A337M6L011PA 330uF 20% 10V
C309	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C310	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C311	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V
C312	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C313	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C316	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V
C317	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V
C332	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C333	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C334	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C335	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C336	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C337	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C339	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C340	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C345	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C347	0CK104CF56A	0603B104K160CT 100nF 10% 16V
C351	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C352	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C400	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C401	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C406	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C407	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C408	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C409	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C410	0CK102CK56A	0603B102K500CT 1nF 10% 50V
C411	0CK102CK56A	0603B102K500CT 1nF 10% 50V
C412	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C413	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C414	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C415	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C416	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C417	0CK102CK56A	0603B102K500CT 1nF 10% 50V
C419	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C420	0CK102CK56A	0603B102K500CT 1nF 10% 50V
C421	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C429	0CK822CK46A	0603B822J500CT 8.2nF 5% 50V
C430	0CK823CF56A	0603B823K160CT 82nF 10% 16V
C500	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C502	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V

LOCA. NO	PART NO	DESCRIPTION
C502	0CK473DK56A	C2012X7R1H473KT 47nF 10% 50V
C503	0CE475SK6DC	VMV475M050S0ANB010 4.7uF 20%
C504	0CZZ9ST027A	WL1H106M05011PA 10uF 20% 50V
C506	0CZZTAB003S	WB1J476M0811MPG 47uF 20% 63V
C507	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C507	181-091R	LRYM7102KHA 1nF 10% 1000V
C508	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V
C508	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C509	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V
C511	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C512	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C513	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C514	0CK273CK56A	0603B273K500CT 27nF 10% 50V
C515	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C516	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C517	0CK273CK56A	0603B273K500CT 27nF 10% 50V
C518	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C521	0CC271CK41A	C1608C0G1H271JT 270pF 5% 50V
C522	0CE6862V610	KMF450VB68 68uF 20% 450V
C525	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C601	0CF1051V560	1uF 10% 450V MPE40TO+85C 10X8X11MM
C602	0CE277RV640	HE2W277M30040HB 270uF 20% 450V
C603	0CE277RV640	HE2W277M30040HB 270uF 20% 450V
C604	0CZZTAB003S	WB1J476M0811MPG 47uF 20% 63V
C605	0CK474DK56A	UMK212BJ474KG-T 470nF 10% 50V
C606	0CK222DK56A	CS2012X7R222K500NR 2.2nF 10% 50V
C607	0CK224DK56A	CS2012X7R224K500NR 220nF 10% 50V
C608	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C609	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C610	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C611	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C612	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C613	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C614	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C615	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C616	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C617	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C618	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C619	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C620	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C621	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C622	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C623	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C623	0CK222DK56A	CS2012X7R222K500NR 2.2nF 10% 50V
C624	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C625	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C626	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C627	0CK474CH94A	0603F474Z250CT 470nF20TO+80% 25V
C628	0CK474CH94A	0603F474Z250CT 470nF20TO+80% 25V
C629	0CE475WJ6DC	MVK4.0TP35VC4.7M 4.7uF 20% 35V
C630	0CK474CH94A	0603F474Z250CT 470nF20TO+80% 25V
C631	0CK474CH94A	0603F474Z250CT 470nF20TO+80% 25V

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyestor CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C632	0CK474CH94A	0603F474Z250CT 470nF20TO+80% 25V
C633	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C634	0CK474CH94A	0603F474Z250CT 470nF20TO+80% 25V
C635	0CK474CH94A	0603F474Z250CT 470nF20TO+80% 25V
C636	0CK474CH94A	0603F474Z250CT 470nF20TO+80% 25V
C637	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V
C638	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C643	0CK332CK56A	C1608X7R1H332KT 3.3nF 10% 50V
C645	0CK332CK56A	C1608X7R1H332KT 3.3nF 10% 50V
C647	0CK332CK56A	C1608X7R1H332KT 3.3nF 10% 50V
C648	0CK332CK56A	C1608X7R1H332KT 3.3nF 10% 50V
C649	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C650	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C651	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V
C652	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V
C653	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C654	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C655	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V
C657	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C658	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C659	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C660	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C661	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C662	0CK225DK94A	CL21F225ZBFNNNE 2.2uF20TO+80% 50V
C663	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C664	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C665	0CK225DK94A	CL21F225ZBFNNNE 2.2uF20TO+80% 50V
C666	0CK225DD66A	LMK212JB225MG-T 2.2uF 20% 10V
C673	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V
C674	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V
C676	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C677	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C682	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C683	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C684	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C685	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C686	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C687	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C688	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C693	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C694	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C695	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C696	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C697	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C704	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C705	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C713	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C719	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C721	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C721	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C726	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C726	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V

LOCA. NO	PART NO	DESCRIPTION
C727	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C727	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C729	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C730	0CE1072D638	WL1A107M05011PA 100uF 20% 10V
C733	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C735	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C739	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C743	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C744	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C749	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C750	0CK225DK94A	CL21F225ZBFNNNE 2.2uF20TO+80% 50V
C753	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C756	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C757	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V
C758	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C759	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C760	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C761	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C762	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C763	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C764	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V
C765	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V
C766	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V
C800	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C801	0CZZ9ST027A	WL1H106M05011PA 10uF 20% 50V
C801	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C802	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C802	181-091Q	LRYM5471KHA 470pF 10% 1000V
C803	0CK105CF94A	0603F105Z160CT 1uF20TO+80% 16V
C804	0CK105CF94A	0603F105Z160CT 1uF20TO+80% 16V
C805	0CK472DK56A	C2012X7R1H472KT 4.7nF 10% 50V
C806	0CK105CF94A	0603F105Z160CT 1uF20TO+80% 16V
C806	181-010K	PPN103J2JH 10nF 5% 630V PP40TO+85C
C807	0CK105CF94A	0603F105Z160CT 1uF20TO+80% 16V
C816	0CK225DK94A	CL21F225ZBFNNNE 2.2uF20TO+80% 50V
C820	0CK225DK94A	CL21F225ZBFNNNE 2.2uF20TO+80% 50V
C821	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C822	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C823	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C824	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C825	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C827	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50V
C828	0CE107WK6DC	MVK10TP50VC100M 100uF 20% 50V
C829	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50V
C830	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C831	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C832	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C833	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C834	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C835	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C836	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C838	0CK104CK56A	0603B104K500CT 100nF 10% 50V

LOCA. NO	PART NO	DESCRIPTION
C839	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C840	0CK102CK56A	0603B102K500CT 1nF 10% 50V
C842	0CK102CK56A	0603B102K500CT 1nF 10% 50V
C845	0CK474CH94A	0603F474Z250CT 470nF20TO+80% 25V
C848	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C849	0CK474CH94A	0603F474Z250CT 470nF20TO+80% 25V
C850	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C851	0CK105CF94A	0603F105Z160CT 1uF20TO+80% 16V
C851	181-091Y	LRYM28681KXA 680pF 10% 2000V
C853	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C854	0CK224CF56A	0603B224K160CT 220nF 10% 16V
C854	0CK472DK56A	C2012X7R1H472KT 4.7nF 10% 50V
C855	0CZZ9ST027A	WL1H106M05011PA 10uF 20% 50V
C855	0CK224CF56A	0603B224K160CT 220nF 10% 16V
C856	0CK105CF94A	0603F105Z160CT 1uF20TO+80% 16V
C856	181-038E	MPP 630V 0.047UF J
C857	0CK105CF94A	0603F105Z160CT 1uF20TO+80% 16V
C858	0CK105CF94A	0603F105Z160CT 1uF20TO+80% 16V
C859	0CK105CF94A	0603F105Z160CT 1uF20TO+80% 16V
C860	0CE227WJ6DC	MVK10TP35VC220M 220uF 20% 35V
C861	0CE227WJ6DC	MVK10TP35VC220M 220uF 20% 35V
C862	0CK105CF94A	0603F105Z160CT 1uF20TO+80% 16V
C863	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V
C864	0CK224CF56A	0603B224K160CT 220nF 10% 16V
C865	0CK224CF56A	0603B224K160CT 220nF 10% 16V
C866	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C867	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C868	0CE475WJ6DC	MVK4.0TP35VC4.7M 4.7uF 20% 35V
C869	0CE475WJ6DC	MVK4.0TP35VC4.7M 4.7uF 20% 35V
C871	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V
C901	0CZZTAB003U	PT2A477M1635MBB 470uF 20% 100V
C902	0CK823DK56A	0805B823K500CT 82nF 10% 50V
C904	0CZZTAB003U	PT2A477M1635MBB 470uF 20% 100V
C905	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C906	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C906	181-308J	NPP630V472J10F 4.7nF 5% 630V
C908	0CK474CH94A	0603F474Z250CT 470nF20TO+80% 25V
C912	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C915	0CK474CH94A	0603F474Z250CT 470nF20TO+80% 25V
C916	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C917	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C919	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C921	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C922	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C926	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C927	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C928	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C929	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C930	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C931	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C932	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C933	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V

LOCA. NO	PART NO	DESCRIPTION
C934	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C935	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C936	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C937	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C938	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C939	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C941	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C942	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C943	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C945	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C946	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C947	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C948	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C949	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C950	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C951	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C951	0CE827RR640	HE2E827M30040HB 820uF 20% 250V
C952	0CE827RR640	HE2E827M30040HB 820uF 20% 250V
C953	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C953	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V
C954	181-288C	PCMT 365 26224 220nF 5% 100V
C955	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C957	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C957	181-091R	LRYM7102KHA 1nF 10% 1000V
C958	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C958	181-091R	LRYM7102KHA 1nF 10% 1000V
C959	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C960	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C961	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C962	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C963	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C964	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C965	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C967	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C968	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C969	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C970	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C972	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C973	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C974	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C975	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C976	0CK103CK56A	0603B103K500CT 10nF 10% 50V
C978	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C979	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C980	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C981	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C982	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C983	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C984	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C985	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C986	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C988	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V

LOCA. NO	PART NO	DESCRIPTION
C989	0CK103CK56A	0603B103K500CT 10nF 10% 50V
COIL & INDUCTOR & TRANSFORMER		
L1004	6140VB0004B	Coil, LN-15A1 26uH 12X9MM LEAD
L201	61409B0013A	Coil, A-PC10N 1.6uH AC250V 10A
L221	61409B0011A	Coil, 2130KK0032A-F 50uH AC250V
L271	61409B0013A	Coil, A-PC10N 1.6uH AC250V 10A
L601	61409B0012A	Coil, EER4242 320uH AC250V 15A
L910	6140VB0004B	Coil, LN-15A1 26uH 12X9MM LEAD
LF102	61409B0014A	Coil, TC20N 100uH AC250V 10A
LF103	61409B0014A	Coil, TC20N 100uH AC250V 10A
L101	0LC1032101A	Inductor, FI-C3216-103KJT 10UH 10% 50MA
L102	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 30MA
L103	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 30MA
L104	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 30MA
L105	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 30MA
L106	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 30MA
L107	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 30MA
L108	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 30MA
L109	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 30MA
L119	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 30MA
L120	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 30MA
L503	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 30MA
L801	6140VR0008A	Inductor, SLF12575T-330M3R2 33UH 20% 3.2A
L802	6140VR0008A	Inductor, SLF12575T-330M3R2 33UH 20% 3.2A
L804	0LCML00020C	Inductor, MLI-201212-100K 10UH 10% 15MA
L805	0LCML00020C	Inductor, MLI-201212-100K 10UH 10% 15MA
L808	6140VR0008A	Inductor, SLF12575T-330M3R2 33UH 20% 3.2A
L809	6140VR0008A	Inductor, SLF12575T-330M3R2 33UH 20% 3.2A
T501	61709S0001A	Transformer,LinearEE2525 250V 12V 1MH 5A 3A
T112	61709MC013A	Transformer,Switching EER3541 310uH 8.94uH
T801	61709MC014A	Transformer,Switching EER3541 1.0mH 97uH
T901	61709MC015A	Transformer,Switching EER4242 390uH 302uH
CONNECTOR & HARNESS		
C1	6631900012C	Harness,Single6631900012C SMH250 SMH250 200mM
C2	6631900027E	Harness,SingleSMH250 SMH250 300mM 2.50MM
C3	6631900048D	Harness,SingleSMH200 SMH200 700mM 2.00MM
C4	6631900050C	Harness,SingleSMH200 SMH200 1200mM 2.00MM
C5	6631900097G	Harness,SingleSMH250 35097/35098 950_700mM
C6	6631900098G	Harness,SingleSMH250 35097/35098 1050_700mM
C7	6631T39004D	Harness,Single1-1123722-9 1-1123722-9 220mM
C8	6631V39013N	Harness,Single1-1123722-8 1-1123722-8 900mM
JK303	6630G70016A	Conector,DSUBA03-7071-094 D-SUB 15P 2.29MM
JK304	6630G70017A	Conector,DSUBA02-0915-101 D-SUB 9P 2.77MM
RESISTOR		
AR600	0RJ0000C687	RCA86TRJ0000 0OHM 5% 1/16W
AR601	0RJ0000C687	RCA86TRJ0000 0OHM 5% 1/16W
AR602	0RJ0000C687	RCA86TRJ0000 0OHM 5% 1/16W
R101	0RC4703A609	PRM92T1J470K 470KOHM 5% 1/2W
R151	0RX1003K665	RSD02F4J100K 100KOHM 5% 2W

LOCA. NO	PART NO	DESCRIPTION
R152	0RB0100J609	PRW01T10R10J 0.1OHM 5% 1W
R158	0RD0221Q609	RDM94T1J2R20 2.2OHM 5% 1/4W
R159	0RD0222Q609	RDM94T1J22R0 22OHM 5% 1/4W
R160	0RX0472L665	RSD03T447R0J 47OHM 5% 3W
R213	0RX0222J618	RSD01R022R0J 22OHM 5% 1W
R228	0RS0222K607	RSD02T3J22R0 22OHM 5% 2W
R229	0RD0102Q609	RDM94T1J10R0 10OHM 5% 1/4W
R241	0RX0472J618	RSD01R047R0J 47OHM 5% 1W
R260	0RS2201K607	RSD02T3J2K20 2.2KOHM 5% 2W
R262	0RX0102J618	RSD01R010R0J 10OHM 5% 1W
R263	0RS1001K607	RSD02T3J1K00 1KOHM 5% 2W
R278	0RX0222J618	RSD01R022R0J 22OHM 5% 1W
R285	0RD4701F609	RD-96T1J4K70 4.7KOHM 5% 1/6W
R501	0RB0680J609	PRW01T1R680J 0.68OHM 5% 1W
R502	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W
R503	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W
R504	0RS4703J607	RS-01T3J470K 470KOHM 5% 1W
R505	0RD0102A609	RDM92T1J10R0 10OHM 5% 1/2W
R507	0RX0472K665	RSD02F4J47R0 47OHM 5% 2W
R510	0RF0102K607	FNS02T3J10R0 10OHM 5% 2W
R601	0RD0821A609	RDM92T1J8R20 8.2OHM 5% 1/2W
R602	0RD0821A609	RDM92T1J8R20 8.2OHM 5% 1/2W
R604	0RD0102A609	RDM92T1J10R0 10OHM 5% 1/2W
R605	0RD0102A609	RDM92T1J10R0 10OHM 5% 1/2W
R606	0RM0150N660	0.15OHM 5% 5W
R607	0RM0150N660	0.15OHM 5% 5W
R628	0RD0152Q609	RDM94T1J15R0 15OHM 5% 1/4W
R629	0RD2202Q609	RDM94T1J22K0 22KOHM 5% 1/4W
R630	0RD0152Q609	RDM94T1J15R0 15OHM 5% 1/4W
R631	0RD2202Q609	RDM94T1J22K0 22KOHM 5% 1/4W
R632	0RC2503Q609	250KOHM 5% 1/4W 3.2X1.9MM 5.0MM
R633	0RC2503Q609	250KOHM 5% 1/4W 3.2X1.9MM 5.0MM
R634	0RC2503Q609	250KOHM 5% 1/4W 3.2X1.9MM 5.0MM
R704	0RN3901F409	RN-96T1F3K90 3.9KOHM 1% 1/6W
R737	0RD1001F609	RD-96T1J1K00 1KOHM 5% 1/6W
R741	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W
R749	0RD6800F609	RD-96T1J680R 680OHM 5% 1/6W
R801	0RD0102A609	RDM92T1J10R0 10OHM 5% 1/2W
R803	0RM0200N660	0.2OHM 5% 5W 14X9.5MM 10MM RADIAL BK
R807	0RZZ9TA003A	3 W 39K OHM 5% SF20MM BULK
R810	0RD4301F609	RD-96T1J4K30 4.3KOHM 5% 1/6W
R851	0RM0100N660	MPR05V-JR100 for PDP 0.1OHM 5% 5W
R853	0RD3301F609	RD-96T1J3K30 3.3KOHM 5% 1/6W
R857	0RZZ9TA003B	3 W 110K OHM 5% SF20MM BULK
R859	0RD0102A609	RDM92T1J10R0 10OHM 5% 1/2W
R861	0RD1002F609	RD-96T1J10K0 10KOHM 5% 1/6W
R911	0RX0101K618	S M L02R0J1R00 1OHM 5% 2W
R952	0RD2700F609	RD-96T1J270R 270OHM 5% 1/6W
R957	0RM0102N760	10OHM 10% 5W 13X4MM 5MM RADIAL BK
R958	0RM0102N760	10OHM 10% 5W 13X4MM 5MM RADIAL BK
R959	0RM0102N760	10OHM 10% 5W 13X4MM 5MM RADIAL BK

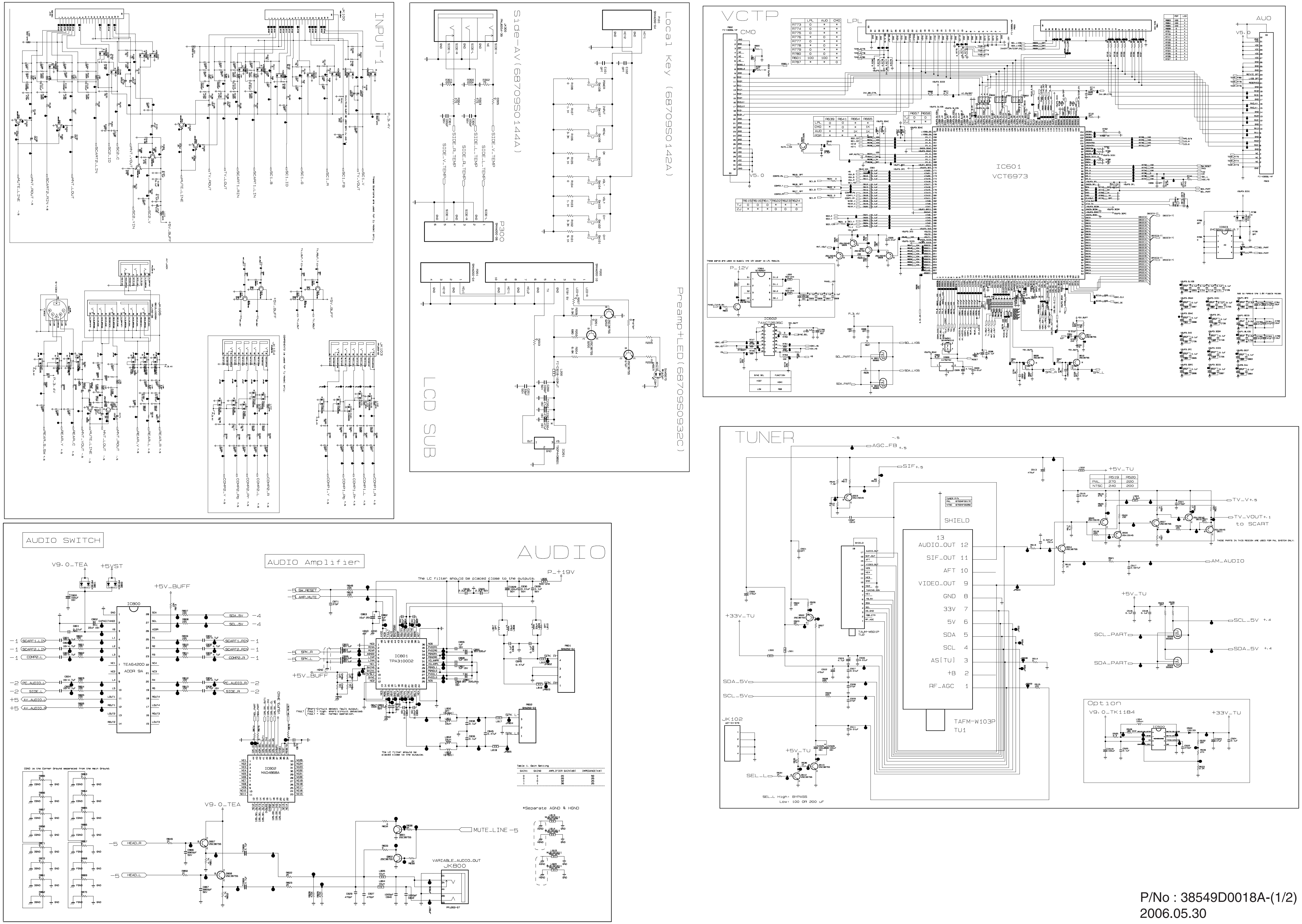
LOCA. NO	PART NO	DESCRIPTION
LED		
D1004	0DL233309AC	LED,Chip SAM2333 RED/Y-GREEN 2.7V 2.8V 30mA
D750	0DL233309AC	LED,Chip SAM2333 RED/Y-GREEN 2.7V 2.8V 30mA
LD101	0DLAU0410AA	LED,DIP SAW5670 ROUND 5mM AMBER/WHITE
SWITCH		
SW101	140-313B	Tact, KPT-1115AM 1C1P 12VDC 0.05A
SW102	140-313B	Tact, KPT-1115AM 1C1P 12VDC 0.05A
SW103	140-313B	Tact, KPT-1115AM 1C1P 12VDC 0.05A
SW104	140-313B	Tact, KPT-1115AM 1C1P 12VDC 0.05A
SW105	140-313B	Tact, KPT-1115AM 1C1P 12VDC 0.05A
SW106	140-313B	Tact, KPT-1115AM 1C1P 12VDC 0.05A
SW107	140-313B	Tact, KPT-1115AM 1C1P 12VDC 0.05A
SW108	140-313B	Tact, KPT-1115AM 1C1P 12VDC 0.05A
FILTER & CRYSTAL		
F1	6200J000115	Filter,AC LineIJ-E06CE-SL1 5.3mH 250VAC 6A
F2	6210VH0004B	Filter,Ferrite CoreZCAT1518-0730-M-K 65OHM
AR400	6210TCE002B	Filter,BeadHB-4M3216-121JT 120OHM
AR401	6210TCE002B	Filter,BeadHB-4M3216-121JT 120OHM
AR402	6210TCE002B	Filter,BeadHB-4M3216-121JT 120OHM
AR403	6210TCE002B	Filter,BeadHB-4M3216-121JT 120OHM
AR404	6210TCE002B	Filter,BeadHB-4M3216-121JT 120OHM
AR405	6210TCE002B	Filter,BeadHB-4M3216-121JT 120OHM
L100	6200J00005R	Filter,BeadHB-1M1608-501JT 500OHM
L1000	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L1002	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L1007	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L1008	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L101	6200J00005R	Filter,BeadHB-1M1608-501JT 500OHM
L1010	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L1011	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L1012	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L1015	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L1016	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L1018	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L110	6200J00005R	Filter,BeadHB-1M1608-501JT 500OHM
L111	6200J00005R	Filter,BeadHB-1M1608-501JT 500OHM
L112	6200J00005F	Filter,BeadHB-1M1608-102JT 1000OHM
L113	6200J00005F	Filter,BeadHB-1M1608-102JT 1000OHM
L300	6200JB8010L	Filter,BeadMLB-201209-1000L-N2 1000OHM
L301	6200JB8010L	Filter,BeadMLB-201209-1000L-N2 1000OHM
L302	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L303	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L304	6210TCE001E	Filter,BeadHB-1M2012-800JT 80OHM
L305	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L306	6210TCE001P	Filter,BeadHB-1S2012-121JT 120OHM
L307	6210TCE001P	Filter,BeadHB-1S2012-121JT 120OHM
L308	6210TCE001P	Filter,BeadHB-1S2012-121JT 120OHM
L309	6210TCE001P	Filter,BeadHB-1S2012-121JT 120OHM
L310	6210TCE001P	Filter,BeadHB-1S2012-121JT 120OHM

LOCA. NO	PART NO	DESCRIPTION
L400	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L501	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L502	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L806	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L813	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L814	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L815	6210TCE001P	Filter,BeadHB-1S2012-121JT 120OHM
L816	6210TCE001P	Filter,BeadHB-1S2012-121JT 120OHM
L817	6210TCE001P	Filter,BeadHB-1S2012-121JT 120OHM
L818	6210TCE001P	Filter,BeadHB-1S2012-121JT 120OHM
L819	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L820	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L904	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L905	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L906	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L913	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L914	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L915	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L916	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L917	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L918	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L919	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L920	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L921	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
L923	6210TCE001P	Filter,BeadHB-1S2012-121JT 120OHM
L924	6210TCE001G	Filter,BeadHH-1M3216-501JT 500OHM
LF101	6200J000156	Filter,Line NoiseLSA10126D 12.6MH 33X32X24mM
X600	6202VDT002P	CrystalHC-49/SM 20.25000MHZ 20.25MHZ
JACK		
JK100	6612J00043C	Scart, UPJ-R1-031 21P 21P/1C 3.81MM
JK101	6612J00043C	Scart, UPJ-R1-031 21P 21P/1C 3.81MM
JK102	6612J10025A	Complex, KCN-BT-0-0055 4P PAL/RCA ANGLE
JK103	6612J10031A	RCA, PPJ209-02 14.0MM 1RX5C
JK105	6612J10003W	RCA, KCN-BT-0-0048 14.0MM 1RX1C
JK106	6612F00024C	DIN, PSJ014-01 SOCKET 4P ANGLE
JK300	6612F00099A	Phone, PEJ024-01 1P 4P STRAIGHT TR
JK302	6612F00099A	Phone, PEJ024-01 1P 4P STRAIGHT TR
JK400	6612B00015B	DIN, DC1R019WDH SOCKET 21P
JK800	6612J10043A	RCA, RCA-1302A-54G YUQIU 15MM
WAFER		
GP1	366-167B	Conector,WaferBW-501S 1P 1R STRAIGHT DIP
GP2	366-167B	Conector,WaferBW-501S 1P 1R STRAIGHT DIP
GP3	366-167B	Conector,WaferBW-501S 1P 1R STRAIGHT DIP
GP4	366-167B	Conector,WaferBW-501S 1P 1R STRAIGHT DIP
GP5	366-167A	Conector,WaferBW-501S 1P NON 1R STRAIGHT
GP6	366-167A	Conector,WaferBW-501S 1P NON 1R STRAIGHT
GP7	366-167A	Conector,WaferBW-501S 1P NON 1R STRAIGHT
GP8	366-167A	Conector,WaferBW-501S 1P NON 1R STRAIGHT
P1	6602T20009C	Conector,WaferSMAW200-04P 4P 2.00MM
P100	6602T20009J	Conector,WaferSMAW200-10P 10P 2.00MM

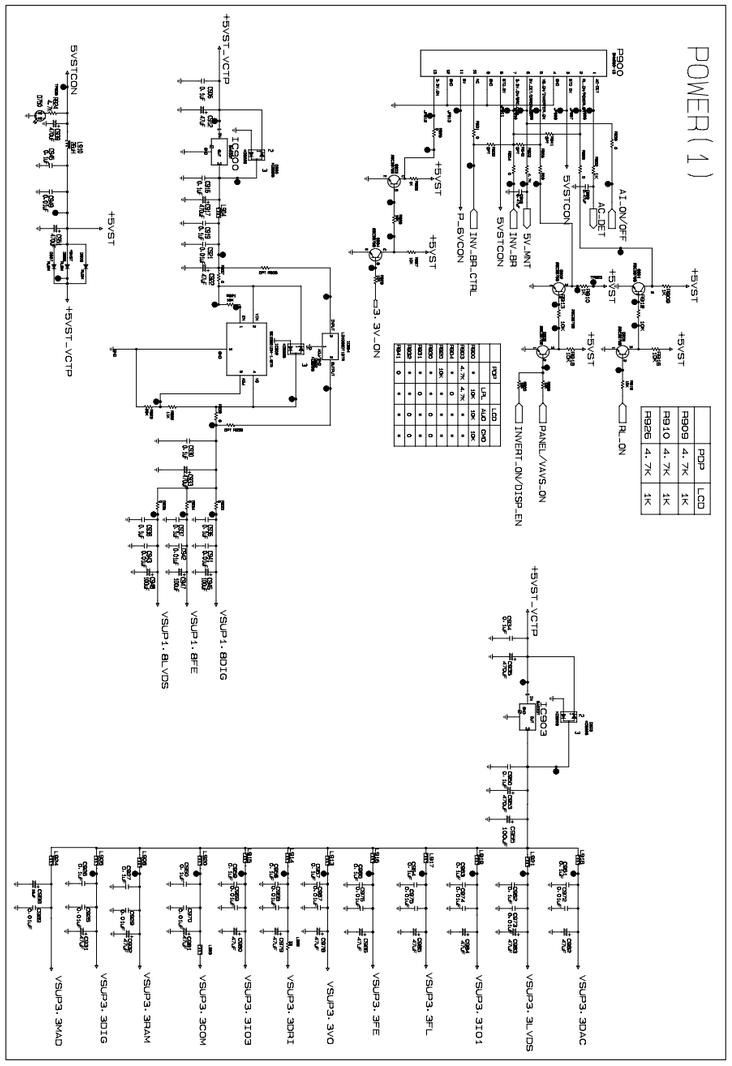
The components identified by mark ⚠ is critical for safety.
Replace only with part number specified.

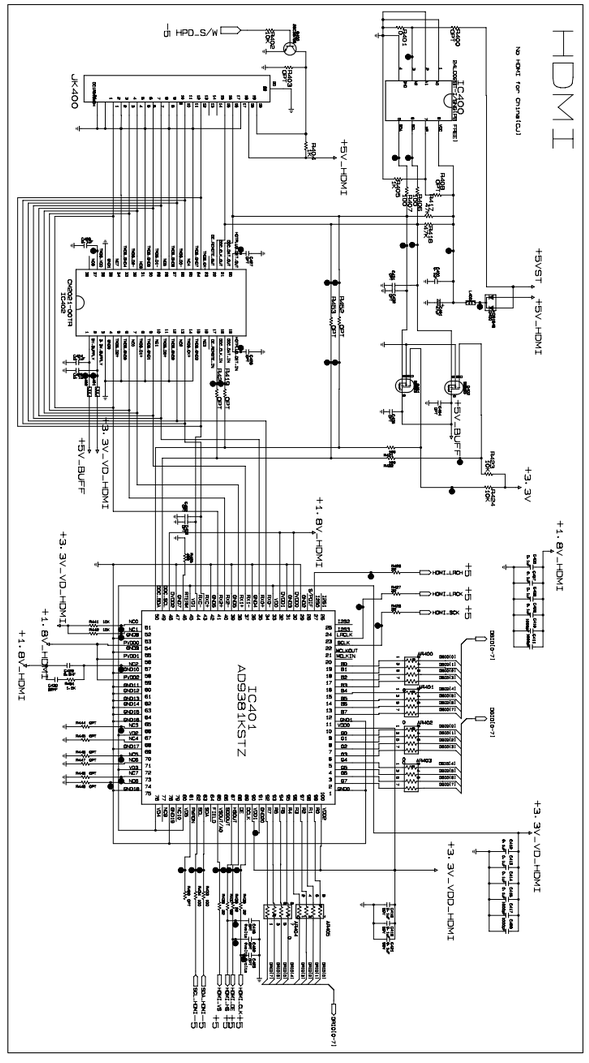
LOCA. NO	PART NO	DESCRIPTION
P1001	6602T25008J	Conector,WaferSMW250-10P 0.40MM
P101	6602T20009C	Conector,WaferSMAW200-04P 4P 2.00MM
P301	6602T20008J	Conector,WaferSMW200-10P 10P 2.00MM
P601	6602T12007D	Conector,WaferGT121-31P-TD 31P 1.25MM
P800	6602T25008M	Conector,WaferSMW250-13P 13P 2.50MM
P801	6602T25008C	Conector,WaferSMW250-04P 4P 2.50MM
P802	6602T25008B	Conector,WaferSMW250-03P 3P 2.50MM
P802	6602T25008J	Conector,WaferSMW250-10P 0.40MM
P803	6602T25008L	Conector,WaferSMW250-12P 12P 2.50MM
P811	6630AQ9008G	Conector,WaferYW396-08V 8P 3.96MM
P812	6630V90224A	Conector,WaferYW396-09V 9P 3.96MM
P900	6602T25008M	Conector,WaferSMW250-13P 13P 2.50MM
SC101	6602V39002A	Conector,WaferYW396-03AV 2P 3.96MM
MISCELLANEOUS		
CA1	68509A0004U	Cable,AssemblyRCA R/A TO RCA R/A UL 1365#26
CA2	6850J00005C	Cable,AssemblyGT121 HOUSING GT121 HOUSING
F101-1	430-858C	Fuse HolderAFC-520 BAE EUN TAPING
F101-2	430-858C	Fuse HolderAFC-520 BAE EUN TAPING
F101	0FS8001B53B	Fuse,Time Delay215008 CERAMIC 250V 8A
PA101	6712000011B	Receiver ModuleKSM-2013TE2A 4.5TO5.5V
X701	166-E05D	Resonator,CeramicCSTLS8M00G53-A0 8MHZ
S1	SAA30011703	S/W,Firmware3.08 92D0 EUROPE FLASH PDP TV PP61A
TH101	6322A00005B	Thermistor,NTCSCK15068MSY 8OHM 20%
TH102	6322A00005B	Thermistor,NTCSCK15068MSY 8OHM 20%
TU1	6700MF0017C	Tuner,AnalogTAFV-W303P PAL 75OHM
VR221	180-035J	Variable Resistor,Semifixed EVNDJAA03B23
VR901	180-035Q	Variable Resistor,Semifixed EVNDJAA03B24
VR951	180-035S	Variable Resistor,Semifixed EVNDJAA03B54
VA101	6102000021A	Varistor, S14K385E2 620V 10% 240pF
ACCESSORIES		
A1	MFL30477001	Manual,Owners PRINTING USER ZJ All EU Lans
	38289U0323E	Manual, USER LP61A 42PC1/3RV-ZJ 6LANS CIS
	38289U0025Z	Manual, USER LP61A BRAND ALL EU LANS RS-232C
A2	6710900010G	Remote Controller, PP62A H3-M 62KEY WITHOUT EPF
⚠ A3	64109EP003A	Power Cord, SP-023 IS-14 1.87M 250V 16A
A4	4972V00178B	Supporter, WALL FOLDING STAND ONLY
A5	3890900101B	Box, SWR2 .. 1 COLOR 42PC1/3 PDP ACCESSOTY BOX

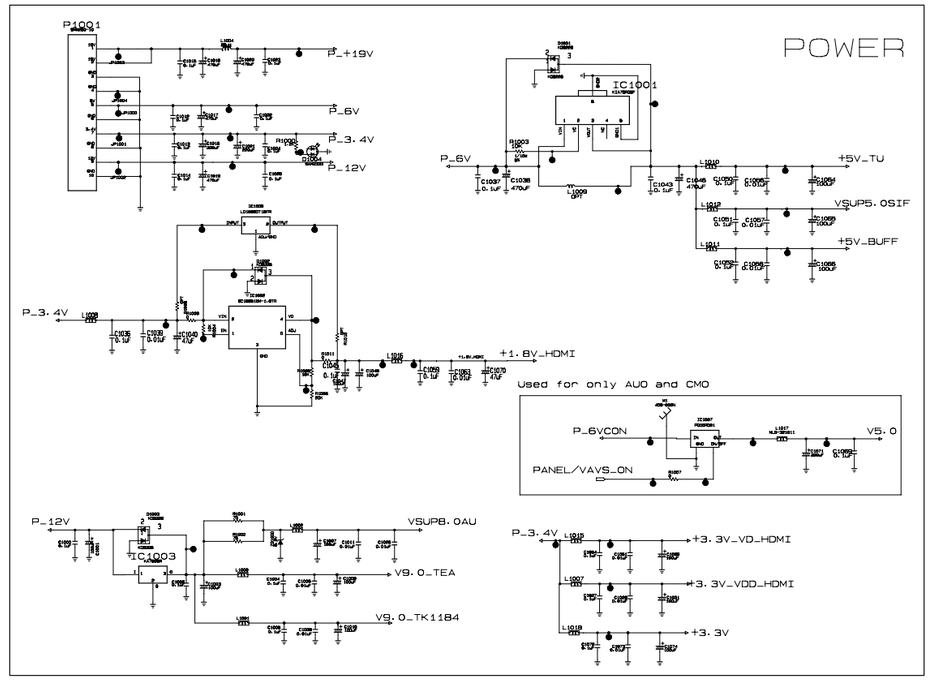
LOCA. NO	PART NO	DESCRIPTION

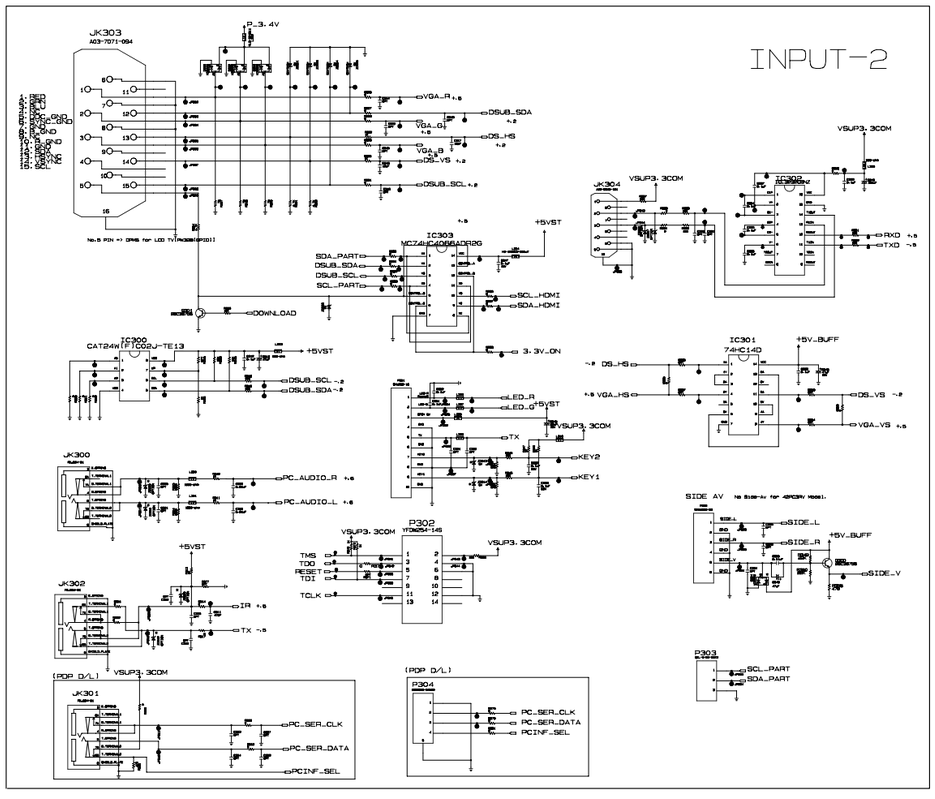

INPUT-1
JK100
JK105
JK104
JK103
S-VIDEO
AV-JACK
These Scarters are used for ZJ Model only.
COMPONENT2 is used for TJ Model only.
Side-AV(6870950144A)
Local Key (6870950142A)
Preamp+LED(6870950932C)
LCD SUB
P300
P200
P201
IC201
VCTP
CMO
LPL
AUO
IC601
VCT6973
IC602
74ACT253SC
IC603
24C32AN-10SI-2.7
IC604
IC600
KA75270Z
These parts are used to supply the 12V power to LPL Module.
Add to remove the 1.8V ripple noise.
TUNER
AGC_FB
SIF
+5V_TU
+33V_TU
TV_V
TV_VOUT
to SCART
AM_AUDIO
SCL_5V
SDA_5V
SCL_PART
SDA_PART
SHIELD
AUDIO_OUT 12
SIF_OUT 11
AFT 10
VIDEO_OUT 9
GND 8
33V 7
5V 6
SDA 5
SCL 4
AS[TU] 3
+B 2
RF_AGC 1
TAFM-W103P
TU1
TAUM-W501P
TU2
JK102
SEL_L
SEL_L High: BYPASS
Low: 100 OR 200 uF
THESE PARTS IN THIS REGION ARE USED FOR PAL SYSTEM ONLY.
Option
V9.0_TK1184
IC500
AUDIO
AUDIO SWITCH
AUDIO Amplifier
V9.0_TEA
+5VST
+5V_BUFF
IC800
TEA6420D
ADDR 9A
IC801
TPA3100D2
IC802
MAD4868A
P_+19V
The LC filter should be placed close to the outputs.
Table 1. Gain Setting
*Separate AGND & HGND
CGND is the Corner Ground separated from the main Ground.
MUTE_LINE
VARIABLE_AUDIO_OUT
JK800

P/No : 38549D0018A-(1/2)
2006.05.30



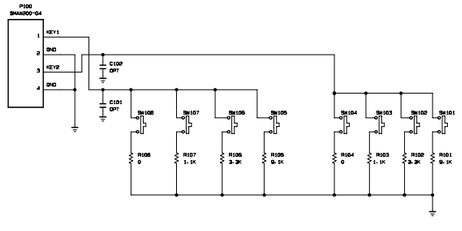




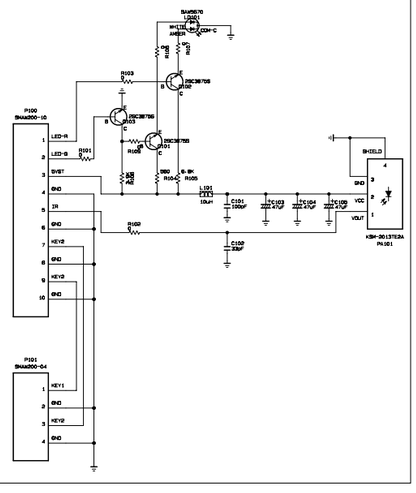


PDP SUB

LOCAL KEY(68709S0138A)

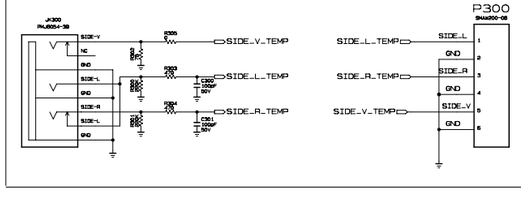


PREAMP+LED(68709S0178C)



SIDE-AV(68709S0927A)

NOT APPLIED PC3 TOOL



P/No : 38549D0018A-(2/2)
2006.05.30

SVC. SHEET : 38549D0018A - S1

LG Electronics Inc.

P/NO : 38289S0023E

Oct., 2006
Printed in Korea